

20010829.qrp v02_n296.qrl.20010829

Date: Wed, 29 Aug 2001 19:23:58 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2296

QRP-L Digest 2296

Topics covered in this issue include:

- 1) [105951] Tough day for HF
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [105952] Re: Tough day for HF
by "Mike Malone" <mmalone@worldlogon.com>
- 3) [105953] RE: Tough day for HF
by "Charles Mabbott" <crmabbott@mediaone.net>
- 4) [105954] Canadian Radio Help
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 5) [105955] More on Cabelas 14' Graphite Pole (long)
by David Gauding <david.gauding@bbs.galilei.com>
- 6) [105956] Re: Tough day for HF
by Bill ROWLETT <kc4atu@yahoo.com>
- 7) [105957] VP5ED QRP Operation
by "Ron Polityka" <wb3aal@fast.net>
- 8) [105958] Circuit Simulator Software
by David Gilson <kd3em@velocity.net>
- 9) [105959] No WX band on FT817...no biggie !
by Duffer <hduff@ica.net>
- 10) [105960] Re: Cover of July 2001 QRP Quarterly
by DYARNES@aol.com
- 11) [105961] Re: Stealth flagpole antenna
by Fernie Williams <ferniew@ke4mai.com>
- 12) [105962] [Fwd: [Elecraft] VP5ED QRP Operation with My K2!]
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 13) [105963] Re: Cover of July 2001 QRP Quarterly
by "James R. Duffey" <jamesd1@flash.net>
- 14) [105964] cub foxii
by KB7WW Art Moe <kb7ww@uswest.net>
- 15) [105965] Ocean State Electronics
by "Steve McDonald" <jsm@gulfislands.com>
- 16) [105966] Cub Fox Spots
by "Robert P. Okas" <vintage@best.com>
- 17) [105967] Re: Cub Fox Spots
by "Karl F. Larsen" <k5di@zianet.com>
- 18) [105968] Re: Ocean State Electronics
by Pete Burbank <plburbank@kih.net>
- 19) [105969] Re: Cover of July 2001 QRP Quarterly

- by "Lee S. Mairs" <lmairs@cox.rr.com>
- 20) [105970] Re: Cub Fox Spots
by Jeff Stai WK6I <jstai@home.com>
- 21) [105971] Re: Cub Fox
by "Mike Malone" <mmalone@worldlogon.com>
- 22) [105972] Shelby HF?
by John Farler <jfarler@peoplepc.com>
- 23) [105973] Cub Fox Log AA3UR Preliminary
by "David Porter" <aa3ur@home.com>
- 24) [105974] Re: Cub Fox Log AA3UR Preliminary
by "George, W5YR" <w5yr@att.net>
- 25) [105975] FS: HW-8 CW Transceivers
by Thomas Kuehl <ac7a@gci-net.com>
- 26) [105976] Re: Ocean State Electronics
by "Steve McDonald" <jsm@gulfislands.com>
- 27) [105977] FOX: Results
by "Marshall Emm" <mgemm@mtechnologies.com>
- 28) [105978] Ahhhh, The Heathkit HW-8
by "Trevor Jacobs" <fxtech@earthlink.net>
- 29) [105979] Antenna Question
by "Thaire Bryant" <tbry37@mediaone.net>
- 30) [105980] Re: Ocean State Electronics
by "John Dorson" <JDORSON@worldshare.net>
- 31) [105981] Re: Ocean State Electronics - URL
by "Trevor Jacobs" <fxtech@earthlink.net>
- 32) [105982] OT - KF 520 component
by =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <jocsan@ctehab.minbas.cu>
- 33) [105983] Shelby, Nc HF
by Dan Wolfe <n4roa@mounet.com>
- 34) [105984] OT: Science Fair Project using Ham Radio?
by Michael Bower <bowerm@ix.netcom.com>
- 35) [105985] RE: Cover of July 2001 QRP Quarterly
by "John L. Sielke" <w2agn@pobox.com>
- 36) [105986] Re: Post Cub Fox Hunt Thoughts
by "Mike Malone" <mmalone@worldlogon.com>
- 37) [105987] Source for TUF mixers?
by Ed Kessler <edkess@pa.net>
- 38) [105988] Re: OT: Science Fair Project using Ham Radio?
by delphinus@brightok.net
- 39) [105989] Re: Source for TUF mixers?
by "Robert Friess" <rfriess@attglobal.net>
- 40) [105990] New K8FF keys
by k8ff@juno.com
- 41) [105991] FS: K2 160M/2nd RX Ant option
by Gary Slagel <gdslagel@yahoo.com>
- 42) [105992] Re: Cover of July 2001 QRP Quarterly
by John Harper AE5X <ae5x@qsl.net>
- 43) [105993] Re: Cover of July 2001 QRP Quarterly

- by w2agn@pobox.com (John Sielke)
- 44) [105994] Xicon Gas Tube Surge Arrestors
by n4so@juno.com
- 45) [105995] EmTECH NW Series/ZM-2 antenna tuner
by n4so@juno.com
- 46) [105996] Re: Source for TUF mixers?
by "G3MFJ" <g3mfj@btinternet.com>
- 47) [105997] Re: Which QRP Rig
by Donn Kuse <casey.jay@gte.net>
- 48) [105998] Bears, K1 and 3D2AG
by John Harper AE5X <ae5x@qsl.net>
- 49) [105999] Re: Ocean State Electronics
by Bruce Muscolino <w6toy@erols.com>
- 50) [106000] PSK-31 80M
by "Pastor-KC1DI" <elbc@pivot.net>
- 51) [106001] RE: Cover of July 2001 QRP Quarterly
by "William H. Launer" <wlauner@mail.win.org>
- 52) [106002] Re: PSK-31 80M
by "Lee S. Mairs" <lmairs@cox.rr.com>
- 53) [106003] Re: Source for TUF mixers?
by "Dave Fifield" <dave@redhotradio.com>
- 54) [106004] Re: No WX band on FT817...a SERIOUS concern!
by "Mike Yetsko" <myetsko@insydesw.com>
- 55) [106005] Re: No WX band on FT817...a SERIOUS concern!
by Radiohead <hduff@ica.net>
- 56) [106006] TEST. do not read
by N10DL@aol.com
- 57) [106007] Re: No WX band on FT817...a SERIOUS concern!
by "Mike Yetsko" <myetsko@insydesw.com>
- 58) [106008] FT-817
by "Walt Amos" <k8cv@netzero.net>
- 59) [106009] Re: Canadian Radio Help
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 60) [106010] Re: A Tale of Cw Novice Days
by Bill Coleman <aa4lr@arrl.net>
- 61) [106011] Re: 40673 Caution: techno-babble
by Bill Coleman <aa4lr@arrl.net>
- 62) [106012] Re: No WX band on FT817...a SERIOUS concern!
by Radiohead <hduff@ica.net>
- 63) [106013] Re: FT-817
by John Harper AE5X <ae5x@qsl.net>
- 64) [106014] Re: Source for TUF mixers?
by "Leon Heller" <leon_heller@hotmail.com>
- 65) [106016] RE: Cover of July 2001 QRP Quarterly
by "John L. Sielke" <w2agn@pobox.com>
- 66) [106017] HF Bands again bad
by "Karl F. Larsen" <k5di@zianet.com>
- 67) [106018] Re:CABELAS TELESCOPIC POLE

- by WY1W@aol.com
- 68) [106019] Interesting HB site
by "Dan McLaughlin" <danmclaughlin@lycos.com>
- 69) [106020] Re: OT:Science Fair Project using Ham Radio?
by John Harper AE5X <ae5x@qsl.net>
- 70) [106021] Re: EmTECH NW Series/ZM-2 antenna tuner
by Scott Gregson - KC7MAS <emtech@steadynet.com>
- 71) [106022] Math Theory Help
by "Mugleston, Brad" <brad.mugleston@gwl.com>
- 72) [106023] ARRL SW Division QRP Forum Friday Night Dinner
by "Phinizy, William" <wphinizy@filenet.com>
- 73) [106024] Science Fair Projects using Ham Radio?
by Kenneth Hoglund <hoglund@wfu.edu>
- 74) [106025] No Mod WX band on FT817 cant get there from here
by Scotty Wright <zydeco9214@yahoo.com>
- 75) [106026] Re: Adding a BFO to a RCVR
by Bill Coleman <aa4lr@arrl.net>
- 76) [106027] Elecraft Booth @ Shelby Ham Fest
by Tim ORourke <TORourke@KaiserFT.com>
- 77) [106028] Re::Science Fair Project using Ham Radio? YES
by Drbob92031@aol.com
- 78) [106029] Re: OT:Science Fair Project using Ham Radio?
by Stephan Greene <sgreene@patriot.net>
- 79) [106030] RE: No WX band on FT817...a ? SERIOUS ? concern!
by "Charles Mabbott" <crmabbott@mediaone.net>
- 80) [106031] RE: Cover of July 2001 QRP Quarterly
by "Charles Mabbott" <crmabbott@mediaone.net>
- 81) [106032] Re: Math Theory Help
by "Mike Yetsko" <myetsko@insydesw.com>
- 82) [106033] Re: HF Bands again bad aka The Sky is Falling, The Sky is Falling...
by "N7SG K7FD" <k7fd@hotmail.com>
- 83) [106034] Re: Antenna HELP
by Bill Coleman <aa4lr@arrl.net>
- 84) [106035] Re: Antenna HELP
by Bill Coleman <aa4lr@arrl.net>
- 85) [106036] Re: Math Theory Help
by "Leon Heller" <leon_heller@hotmail.com>
- 86) [106037] Re: Math Theory Help
by "Karl F. Larsen" <k5di@zianet.com>
- 87) [106038] RE: Math Theory Help
by "Mugleston, Brad" <brad.mugleston@gwl.com>
- 88) [106039] RE: Math Theory Help
by "Mugleston, Brad" <brad.mugleston@gwl.com>
- 89) [106040] Re: Cover of July 2001 QRP Quarterly
by "bob baxter" <rbaxter@cybertrails.com>
- 90) [106041] Fox: ET, Notice for the Last One!
by "Marshall Emm" <mgemm@mtechnologies.com>

Date: Tue, 28 Aug 2001 17:15:00 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [105951] Tough day for HF
Message-ID: <Pine.LNX.4.33.0108281707130.1915-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

At noon MDT a 40 meter net was bad due to no short skip. At 4 pm another 40 meter net could not even hear each other well enough to understand anything.

At 5 pm MDT a check of the beacon stations show that 20, 15 and 10 meters are also in poor shape for long skip. Neither 15 nor 10 meters can hear california or NY or Canada. They copy south america very weak. 20 meters is better with both NY and Canada and south america having good signals.

If you don't hear the Fox's at 0200 it's not your rig or antenna, it's the sun again. To the Fox guys, find out what you can hear at 0145 Z and try hard to get guys from those locations, and don't worry until later about the rest. I KNOW that Dallas TX will not exist tonight on 20 or 40 for that matter.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 28 Aug 2001 18:38:43 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105952] Re: Tough day for HF
Message-ID: <000901c1301a\$9400ae00\$4800000a@nationwiderecovery.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is kinda like when you wash the car it rains... improve the antenna and the bands go to crap... well I am going to give it heck anyway. Hope to work some hounds tonight despite conditions. If cant get thru on 20 meters you

can always try my email hihi.

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, August 28, 2001 6:15 PM

Subject: Tough day for HF

>
> At noon MDT a 40 meter net was bad due to no short skip. At 4 pm
> another 40 meter net could not even hear each other well enough to
> understand anything.
>
> At 5 pm MDT a check of the beacon stations show that 20, 15 and 10
> meters are also in poor shape for long skip. Neither 15 nor 10 meters can
> hear california or NY or Canada. They copy south america very weak. 20
> meters is better with both NY and Canada and south america having good
> signals.
>
> If you don't hear the Fox's at 0200 it's not your rig or antenna,
> it's the sun again. To the Fox guys, find out what you can hear at 0145 Z
> and try hard to get guys from those locations, and don't worry until later
> about the rest. I KNOW that Dallas TX will not exist tonight on 20 or 40
> for that matter.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>

Date: Tue, 28 Aug 2001 20:05:59 -0400

From: "Charles Mabbott" <crmabbott@mediaone.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [105953] RE: Tough day for HF

Message-ID: <GAECLOGOMILPLBGKKPEGMEAOCTMAA.crmabbott@mediaone.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Skip, snip, pip, at this point if you can't skip
even a limp would be good, heard nothing /M this
evening.....

=====

Chuck Mabbott

AA8VS

42 19' 52" N 83 28' 32" W

Grid Square EN82gh

Home Page: <http://aa8vs.dhs.org:81/aa8vs>

FP-113 MI-QRP#1212 Firebirds #2117 SOC #445

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On

Behalf Of

Karl F. Larsen

Sent: Tuesday, August 28, 2001 7:15 PM

To: Low Power Amateur Radio Discussion

Subject: Tough day for HF

Date: Wed, 29 Aug 2001 10:06:25 +1000

From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>

To: All the Flying Pigs <fpqrp-l@mpna.com>, "glowbugs@piobaire.mines.uidaho.edu"

<glowbugs@piobaire.mines.uidaho.edu>,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [105954] Canadian Radio Help

Message-ID: <3B8C3201.F95E98DC@integritynet.com.au>

MIME-Version: 1.0

Content-Type: text/plain; charset=iso-8859-1

Content-Transfer-Encoding: quoted-printable

Hams in Canada:

<snip>

Saskatchewan is going through a major transition in regards to
communications over the next two years.....

=2E..... St. Brieux & District Volunteer Fire Department and First
Responders.

</snip>

These folks need some help, anyone local able to assist?

72/73's

Ian Purdie

"I believe Australia is the best address on earth"

Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
URL - <http://www.electronics-tutorials.com/>

Date: Tue, 28 Aug 2001 19:05:47 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [105955] More on Cabelas 14' Graphite Pole (long)
Message-ID: <5.1.0.14.0.20010827135628.026d00d0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good evening (really) portable antenna fans,

Here are some new notes and comments on the new 14' collapsible panfish pole from Cabelas.

Now that the conductive characteristics of the pole were identified it was time to get moving on the St. Louis Vacation Vertical antenna project. This included efforts to determine what happens what the graphite impregnated rod is inserted into the antenna's St. Louis Coil.

My old friend, W0NVM, Andy Becker graciously put his Heathkit Q-meter on the first test coil built for the new SLVV. Being the father-of-the-coil design, he was the man for the job.

The first tapped air-wound test coil for the SLVV was built on a 1.25" diameter coil form using #16 bus wire. There are forty full-turns and two half-turns. Overall length is 5.75" with about 8 turns per inch. This is a very robust coil and should resist anything up to being stepped upon..

STAGE SETTING

To establish a starting point, I doubled the turns count based on the coil built for the St. Louis Vest Pocket Vertical. Same diameter form, same wire, but now 10-40M coverage instead of 10-20M. Then (reason unknown), I added four extra turns just to be on the safe side. This addition even though the Cabelas' pole is three feet taller than the fiberglass tube set used by the SLVPV, i.e. more radiator available.

After initial testing, enlightened cursing and out-right denials, I discovered the turns count was wrong. Backwards actually! What I should have done was double the turns count for the new coil and subtract six or

seven turns to compensate for the increased length of the new pole (14' vs 11'). Duh! Don't you just hate it when there is no one else around to blame? <g>

What tipped me off was that I could get the coil to resonate easily on 40M but only after tapping-off twelve and one-half turns. Nevertheless, my first reaction assumed this 30% variance was caused by interaction between the graphite pole and the coil. That may still be a factor but to what extent will be determined another time.

BACKYARD TESTING

As mentioned in the last SLVV follow-up, the problems surrounding the carbon fiber content of the new pole had been identified and solved (QRP-L, 08/10/01). And, the SLVV seems to work okay over eight 16-1/2' ribbon radials running one watt on 20-30-40M.

There are thirty-five contacts in the one-watt test log for these bands. The next step is to move up to the higher HF frequencies. That includes finding a happy upper-radiator length that will work across 17M-10M. Plus, fooling with the St. Louis Radial dimensions to get it under an 8th-wave on 40M yet provide reasonable performance.

Believe it or not, using 15' ribbon radials on 40M (or 7-1/2' ribbons on 20M) isn't bad at all. My opinion is based on experiments conducted a couple of years ago using the older St. Louis Pocket Vertical. That has been described as an attempt to manage weight and logistics for backpacking pursuits. Actually, it was one of those measure twice - cut once exercises that went terribly wrong! I wasn't about to lose those hacked ribbons! <g>

SLVV COIL MEASUREMENTS

The first test coil was measured by itself . Then with the 14' pole fully extended horizontally and inserted through the coil: The upper and lower radiators were not installed.

Coil: 13-14 uh
Coil w/pole: 14 uh

Coil: Q - 400+ (limit of test equipment)
Coil w/pole: Q - 340

COMMENTS

Assuming the Q-meter is accurate, and the test procedure accomplished its goals, the only significant impact from the rod inserted in the coil appears (at first blush) to be reduced bandwidth.

For reference, the 10-20M coil of the SLVPV measured 5.5 uh with a Q of 220. Applying a little by-guess & by-golly engineering suggests reasonable comparisons can be drawn between the measurements.

I'm trusting those on QRP-L with a track record in RF engineering will be so kind to offer constructive comments and shed some much needed light on this subject. Looking for hard facts this evening! Many thanks in advance!

My main concern is does the presence of the graphite reinforcements in the pole material have a negative impact on the antenna's receive and transmit characteristics? In truly non-technical terms, does it eat RF? If it does impact the RF, just how detrimental is it on HF?

I suppose the obvious offsetting features for potential losses are the convenience features of the pole. True 10-40M capability in a lightweight 14' support that collapses to only 15-1/2" for traveling offers some rather unique possibilities for portable operator. But, to establish a reference point! In field locations I'm interested in working a few stations anywhere and having a good time doing it. If that doesn't include the rare DX then so be it.

OTHER STUFF

With some creative packing technique, I was able to slide the homebrew mounting base assembly alongside the pole inside the slender green nylon sleeve provided provided by Cabelas. This is a very compact arrangement.

I worked out a better way to store the upper and lower radiators. I'm now using lightweight plastic pill bottles with caps discarded. Loosely hand-wrap the doubled wires and slide them inside the bottle. Friction keeps the radiators in place. Gone are the rubber bands, grocery ties, spring-steel clips, etc.!

Knocking a number of turns off the next SLVV test coil means it will probably be short enough to use only a single tap wire assembly to cover all bands. The assembly is removable and will store inside the coil or slip into one of the radiator bottles.

Adding a masking tape insulating collar to cover pole finish accidentally scratched away (and exposing the conductive core material) works okay. But, that tape will have to be removed before a close-fitting individual section under repair will nest properly. The alternative is scotch-type tape or packing tape, which are much thinner. I suppose my next step will be to try coating the conductive surfaces with clear nail polish to provide a more permanent fix. Especially for wet weather situations.

Having said that, I'm now going to visit my friendly ME soon and ask for a couple of machined delrin collars. These will replace the central wire

spiral of the horizontal coil supports. That should make the shorting potential go away along that area of the pole where the coil is located.

Re the turns count for the coil, the next prototype will probably have 30-32 turns, I still need to work on the numbers. But, there will be a little extra wire. I prefer to tap the coil into resonance on the lowest design frequency instead of attempting to build the coil for that frequency.

I do hope this is the last St. Louis Coil for awhile. After building fourteen of 'em over a couple of years it's burnout time! On the plus side, I'm getting pretty good at it. <g> The first SLVV coil (being retired) should work well for new project called the St. Louis Traveling Vertical. Hoping to get on that one sooner than later.

FOR NOW

Anyway, that's progress on the SLVV to date. More info as it comes together.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Tue, 28 Aug 2001 17:18:16 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: k5di@zianet.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105956] Re: Tough day for HF
Message-ID: <20010829001816.83198.qmail@web14207.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Sorry you may have trouble hearing the Fox, just leave me the DX from across the pond on 17 & 20. The central Med was in to the east coast on 17.

Have fun

73 Bill KC4ATU

Do You Yahoo!?

Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Tue, 28 Aug 2001 20:29:37 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [105957] VP5ED QRP Operation
Message-ID: <001401c13021\$b03fa6a0\$9c095cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello fellow QRPers:

I will operate as VP5ED from the Turk and Caicos Islands 11/20/01 to 11/27/01. I'll operate 100% QRP on all HF bands. Mainly CW, but some SSB, but not much. Please QSL to WA3WSJ CBA directly only with SASE etc. IOTA NA-002 for you IOTA chasers!
72,
Ed, WA3WSJ

Date: Tue, 28 Aug 2001 20:28:30 -0400
From: David Gilson <kd3em@velocity.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105958] Circuit Simulator Software
Message-ID: <3B8C372E.8D8FEDE8@velocity.net>
MIME-Version: 1.0
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
Has any one use Protolab 4.0?&nbsp; I've seen it in the mouser catalog
and was thinking about getting it, but want some pro's and con's before
I order.
<p>Thanks
<br>Dave
<br>kd3em</html>
```

Date: Tue, 28 Aug 2001 21:03:03 -0400
From: Duffer <hduff@ica.net>
To: qrp-l@lehigh.edu
Subject: [105959] No WX band on FT817...no biggie !
Message-ID: <3B8C3F46.26CC7C31@ica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't find it so devastating that the FT-817 lacks WX band RX (162 MHz).
Of course, the FT-817 receives everything else...
Just tune in to an FM broadcast station...you're bound to find a weather report among the news,
especially so if there is an extreme weather watch or warning.
And, you're more likely to receive an FM broadcast station than a WX transmission while you're backpacking in a more remote area. Nothing lost as far as I'm concerned.
Hugh VA3TO

Date: Tue, 28 Aug 2001 07:22:22 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>

----- Original Message -----
From: Howard Kraus <K2UD@adelphia.net>
>
> I wonder if they have a new improved version in the works? If so, they may
> be trying to clear inventory in anticipation of a new release. Kinda like
> the ICOM IC-706, IC-706MkII, IC-706MkIIG thing.
>
> Howard Kraus, K2UD

There's been rumors for a while now of a different firmware set for the 817 that would at least allow WX band. I wonder if maybe they just tweaked for that? In my mind, leaving the WX band off was a SERIOUS mistake for a radio that seems to me to be designed for a 'backpacker' type transportable.

Mike

Date: Tue, 28 Aug 2001 20:55:09 EDT
From: DYARNES@aol.com
To: morrellm@ameritech.net, qrp-1@lehigh.edu
Subject: [105960] Re: Cover of July 2001 QRP Quarterly
Message-ID: <37.1a02b1f5.28bd976d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 8/28/01 2:01:03 PM US Mountain Standard Time, morrellm@ameritech.net writes:

<< While I am an avid golfer and qrp'er, that cover does not sit too well with me. Had they "staged" this I could see the humor but my sense is they did not and the op actually uses the rig while on the course between shots. >>

For all of you concerned about the above comments, let me assure you that you need have absolutely no worries! I took the picture you see on the QQ cover (although it was "enhanced" nicely by the QQ folks to show a little richer presentation), and those are my clubs on the driver's side, and that is my radio and antenna in use. I am NOT a casual golfer--I have played the game for over 50 years (since I was about 8 years old), and I would never have done this if it wasn't doable without interfering with others. Golf is very special to me, and I am a stickler for etiquette--both giving and receiving! I know golf etiquette very well, and most certainly would not infringe on other's enjoyment. Neither would Ron!

The fact is that Ron and I practically "owned" the place that day. I don't think there were more than half a dozen other groups on the entire course! If you will all pull out your road maps--find Tucson, then go east on interstate 10 to exit 331 (about 10 miles west of Wilcox). Turn south on hwy. 191 and go south about 20-25 miles and you will see a small dot on the map called "Sunsites" (close to the Cochise Stronghold monument)! That is

where Ron and I played golf--I mean we were out in the boonies! This was not golf in the "hub of the western world", but rather a nice, leisurely round of golf on a relatively remote retirement development that (unfortunately for them) gets very little play. We played our round in the appropriate 4 hour time frame (actually, a bit less), and held up no one. Furthermore, nobody ever got close enough to us to hear anything (the volume was always under control) except at one point where holes cross we did pass one other twosome who got a big kick out of our setup! We could not, and would not have done this on some municipal course in a more metropolitan location.

Well, enough said except that it irks me no end when self-righteous individuals start chastising others when they don't even know the facts! Why do people have to assume the worst instead of suspecting the opposite???? I am pretty sure I know, but I won't press it. Also, I realize they may not know me that well, but I am a little surprised that they would think someone as well known and respected as Ron would have done something inconsiderate like that.

Anyway, as Paul Harvey says, "Now you know the rest of the story!" Which reminds me---does anyone else out there agree with me that Paul Harvey copied his "rest of the story" idea from Marvin Miller? Who is Marvin Miller you say? Well, he used to be the guy who passed out the checks on the old "Millionaire" TV show in the 50's, but before that he had several radio programs (on Mutual I think), one of which was "The Story Behind The Story". Identical format! Ah, trivia!

72 de Dave W7AQK

Date: Tue, 28 Aug 2001 20:56:19 -0400
From: Fernie Williams <fernie@ke4mai.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105961] Re: Stealth flagpole antenna
Message-ID: <3B8C3DB3.3842C70C@ke4mai.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,
This looks interesting for the CC&Rs - does anyone have any experience with this or any other type of flagpole antenna?

OO,
Fernie/KE4MAI

ARDUJENSKI@aol.com wrote:

>
> Stumbled across a COMMERCIAL stealth antenna part of an actual flagpole from
> IAC--Alan KB7MBI
>
> <http://www.iacantennas.com/stealthbazooka2000.htm>

--

=====

KE4MAI - Lexington, KY - EM77rx
American Radio Relay League
KY-QRP #12 QRP-ARCI #10919 SOC #459
QRP-L #2354 FLYING PIGS QRP #-335
TEN-TEN #71893

fernien@ke4mai.com www.ke4mai.com

=====

Date: Tue, 28 Aug 2001 18:11:49 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@egroups.com>
Subject: [105962] [Fwd: [Elecraft] VP5ED QRP Operation with My K2!]
Message-ID: <3B8C4155.DACF0675@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

----- Original Message -----

Subject: [Elecraft] VP5ED QRP Operation with My K2!
Date: Tue, 28 Aug 2001 20:40:07 -0400
From: breneiser <breneiser@talon.net>
Reply-To: breneiser <breneiser@talon.net>
To: elecraft@qth.net

Hello all:

I will operate as VP5ED from the Turk and Caicos Islands from 11/20/01 to 11/27/01. I'll be using my K2 s/n 321. If you need VP5 QRP, this will be the time to grab it. Please qsl directly to WA3WSJ CBA with SASE. I hope to work a couple of K1s and K2s while I'm VP5ED!

72,

Ed, WA3WSJ

Date: Tue, 28 Aug 2001 19:24:05 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <DYARNES@aol.com>, qrp-1 <qrp-1@lehigh.edu>
Subject: [105963] Re: Cover of July 2001 QRP Quarterly
Message-ID: <B7B1A053.D205%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I can attest to Dave's devotion to golf. When he visited Albuquerque to watch his son in the NCAA Golf Finals, he passed up a chance to have the world's greatest green chile in order to see his son play golf!! - Duffey

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Tue, 28 Aug 2001 19:20:24 -0700
From: KB7WW Art Moe <kb7ww@uswest.net>
To: qrp <qrp-1@lehigh.edu>
Subject: [105964] cub foxii
Message-ID: <3B8C5168.E94A406A@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Power company finally showed up today and fixed the problem.

2 cub pelts in the bag.

Thanks Dave and Mike.

New antenna here seems to be working. My first HF beam, took 30 me years to break down and put one up.

Art
KB7WW

Date: Tue, 28 Aug 2001 19:19:30 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105965] Ocean State Electronics
Message-ID: <002001c13031\$09adcb40\$5412f4cc@jms>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is this a reliable company to deal with? Thought I would ask before placing
/ not placing an order.

Steve / VE7SL

Date: Tue, 28 Aug 2001 19:21:23 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-l@lehigh.edu
Subject: [105966] Cub Fox Spots
Message-ID: <Pine.BSF.4.21.0108281917300.16823-1000000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

Despite warnings of gloomy condx, two new pelts are hanging on the
wall. Mike is around 14.061.6 and Dave is at 14.052. Both were weak at
my qth, but serviceable qsos resulted.

Good Luck & 73,
Bob - W3CD

Date: Tue, 28 Aug 2001 20:37:39 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Robert P. Okas" <vintage@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105967] Re: Cub Fox Spots
Message-ID: <Pine.LNX.4.33.0108282036350.2339-1000000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just tuned those spots and nothing but QRM is present in southern NM.

On Tue, 28 Aug 2001, Robert P. Okas wrote:

> Hi Gang,
>
> Despite warnings of gloomy condx, two new pelts are hanging on the
> wall. Mike is around 14.061.6 and Dave is at 14.052. Both were weak at
> my qth, but serviceable qsos resulted.
>
> Good Luck & 73,
> Bob - W3CD
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 28 Aug 2001 22:39:40 -0400
From: Pete Burbank <plburbank@kih.net>
To: jsm@gulfislands.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105968] Re: Ocean State Electronics
Message-ID: <5.0.2.1.0.20010828223759.00acc730@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:19 PM 8/28/2001 -0700, Steve McDonald wrote:

>Is this a reliable company to deal with? Thought I would ask before placing
>/ not placing an order.
>
>Steve / VE7SL
Yes, reliable and they have hard to find stuff.
73 Pete NV4V

Date: Tue, 28 Aug 2001 22:47:56 -0400
From: "Lee S. Mairs" <lmairs@cox.rr.com>
To: <morrellm@ameritech.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [105969] Re: Cover of July 2001 QRP Quarterly
Message-ID: <000b01c13035\$026d4500\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Mike -

I used to have the same problem with golf; however, I entered a 12 step program and haven't played since.

73 de Lee

Consistently separating words by spaces became a general custom about the tenth century A.D., and lasted until about 1957, when FORTRAN abandoned the practice.

--Sun FORTRAN Reference Manual

----- Original Message -----

From: "Mike Morrell" <morrellm@ameritech.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, August 28, 2001 4:59 PM

Subject: Cover of July 2001 QRP Quarterly

>

> While I am an avid golfer and qrp'er, that cover does not sit
> too well with me. Had they "staged" this I could see the humor
> but my sense is they did not and the op actually uses the rig
> while on the course between shots.

>

> >From a golfers point of view, noise from ANY radio is NOT allowed
> even during a causal round of golf and believe me sounds carry
> a long way on the course.

>

> I do have a good sense of humor, but in the case of ham radio
> and golf, each has their place...

>

> Mike K8KE

>

>

Date: Tue, 28 Aug 2001 20:03:34 -0700

From: Jeff Stai WK6I <jstai@home.com>

To: k5di@zianet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [105970] Re: Cub Fox Spots

Message-ID: <5.1.0.14.2.20010828200316.08927030@mail>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

last heard Dave at 14053.0, but he faded away - jeff wk6i

At 07:37 PM 8/28/01, Karl F. Larsen wrote:

>Just tuned those spots and nothing but QRM is present in southern NM.

>

>On Tue, 28 Aug 2001, Robert P. Okas wrote:

>

>> Hi Gang,

>>

>> Despite warnings of gloomy condx, two new pelts are hanging on the
>> wall. Mike is around 14.061.6 and Dave is at 14.052. Both were weak at
>> my qth, but serviceable qsos resulted.

>>

>> Good Luck & 73,

>> Bob - W3CD

>>

>>

>

>--

>Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

jeff stai

radio stuff: WK6I in DM13

rocket stuff: NAR #21059 TRA #3356 Level 2 Cert.

email: jstai@home.com or wk6i@arrl.net

ROC web page: <http://www.rocstock.org/>

LDRS web page: <http://www.ldr20.org/>

Date: Tue, 28 Aug 2001 22:42:30 -0500

From: "Mike Malone" <mmalone@worldlogon.com>

To: <jstai@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [105971] Re: Cub Fox

Message-ID: <002a01c1303c\$a29db4e0\$3ff5a7cc@malonefamily>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Tough conditions out there tonight, thanks for the hounds who roughed it and came after a pelt! Man, even a night of the hunt is better than a good day at work!!! 72 all

KD5KXF Cub Fox

Date: Thu, 16 Aug 2001 11:57:29 -0400
From: John Farler <jfarler@peoplepc.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [105972] Shelby HF?
Message-ID: <3B7BED68.45F0317B@peoplepc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone, qrp clubs, ops, dealers, etc.
going to Shelby, NC hamfest to set up
or make a QRP Presence??? Expect to be
there Sat. The "Granddaddy of 'em All"
is a mighty big hamfest not to have
something qrp...

73, John, K4AVX
Hazard, KY.

Date: Wed, 29 Aug 2001 00:27:44 -0400
From: "David Porter" <aa3ur@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105973] Cub Fox Log AA3UR Preliminary
Message-ID: <001901c13042\$f3c60420\$927ba8c0@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for a great hunt. I did 100% better than last time despite the conditions.

I lost two hounds that I replied to, but couldn't complete the exchange when they came back. Signals were very weak. Around 0300Z, I decided to see if I could work the other Mark, the other fox. I heard him, but he didn't hear me. I also heard AL7FS and got so excited, that I went back to my spot to await my hoped for fate of getting through to Alaska. But it wasn't to be.

I did get FL, MO, OR, and CA. First CA and OR contacts since I got re-licensed and maybe ever. And like I said, 100% better than the last time out. Thanks again for all the fun. My condolences to those I tried to get and couldn't.

29 AUG 01 0200

0200 N1TP 569 FL TOM 5W
0203 W0CH 559 MO DAVE 1W
0211 KB7WW 559 OR ART 5W
0213 W3CD 559 CA BOB 5W
0230 WA7SPY 559 CA GLENN 5W
0234 AE9F 559 CA DAN 5W
0251 W6ABC 559 CA JACK 5W
0305 N7XG 249 CA WALT 5W
0400 AA3UR 559 PA DAVE 2W

David Porter
aa3ur@home.com
AA3UR

Date: Tue, 28 Aug 2001 23:38:35 -0500
From: "George, W5YR" <w5yr@att.net>
To: aa3ur@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [105974] Re: Cub Fox Log AA3UR Preliminary
Message-ID: <3B8C71CB.FCBE59BA@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry we couldn't make it, Dave. I heard you call me and copied your exchange and sent mine but you faded back into the noise so I could not tell if you got mine OK. So, guess I was one of the two Hounds you mentioned.

Signals were very weak tonight - I might have heard Mike once or twice but as he is about 40 miles from me, there is little chance to work him on 20 meters at night.

Thanks for trying.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

David Porter wrote:

>

> Thanks for a great hunt. I did 100% better than last time despite the
> conditions.
>
> I lost two hounds that I replied to, but couldn't complete the exchange when
> they came back. Signals were very weak.

Date: Wed, 29 Aug 2001 10:50:26 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [105975] FS: HW-8 CW Transceivers
Message-ID: <3B8D2B62.37333337@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy,

It appears that the prices I listed for my 2, HW-8 transceivers may have been too high to generate any interest. Therefore, I have decided to give it one more go on the list and have dropped their prices accordingly.

For the newer QRP op's who may not be familiar with the HW-8, it is 4-band (80,40,20,15) CW transceiver manufactured by Heathkit in the later 70's to mid 80's. Output power typically runs 1.25 to 2.5 Watts on the various bands.

Repeated here are descriptions of the radios:

1) HW-8, with HWA-7-1 power supply - It is mostly in stock condition with the following mod's:

Increased break-in delay (K6YB - June '79 HR), Improved keying (W3HVK - August '82 HR), Improved stability and dial calibration (W3HVK - August '82 HR), and a low-Z audio matching transformer has been added as well. I made these mod's myself and they can be easily reversed, but they provide useful improvements. There are no "extra" holes in the case. The tuning cap is solid (no loose plates). Condition is what I rate it a 9 out of 10. Price reduced from \$120, to \$95.

2) HW-8 - Stock condition except the previous owner added a audio matching transformer and a small speaker in the top of the case. I replaced the blown output transistor, a 2N4427, with a 2N3553, and just completed alignment as well. The previous owner had drilled a small hole in the back panel, and

there is some very minor panel wear by the main tuning knob. Because of the speaker mod and hole, I rate it about a 7.5 to 8. The tuning cap is solid. Price reduced from \$95, to \$70.

Thanks, Thomas - AC7A (Tucson)

Date: Tue, 28 Aug 2001 23:25:26 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [105976] Re: Ocean State Electronics
Message-ID: <001601c13053\$64af1860\$4212f4cc@jms>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who replied...all positives!

> Is this a reliable company to deal with? Thought I would ask before
placing
> / not placing an order.
>
> Steve / VE7SL

Date: Wed, 29 Aug 2001 01:58:49 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [105977] FOX: Results
Message-ID: <3B8C4C59.853.373F142@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The results of the QRP-L 20M Fox Hunt have been posted on the web site at <http://www.CQC.org/sfox>. There you'll find the Hounds, Foxes, and Teams results as well as the individual logs. I'll also append the individual Hounds' results to this message for those who are web disadvantaged.

Hard to believe we're already in the last week of the season. Don't know where the summer has gone, but to put a positive spin on it we are that much closer to the 40M Hunt [g].

The Summer Hunt has been fun, and also very interesting. It's tempting to compare it to the first 20M hunt last year, but we changed the format quite a bit and so much depends on ephemeral conditions that it would be hard to draw any conclusions. The astounding thing to me is that so far (knock on wood) so many hounds have managed a perfect score! Two hunts to go, this Thursday evening, and I sure hope Paul will try to keep the sun under control!

Good luck, and see you in the Hunt...

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express and Oak Hills Research

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

<http://www.ohr.com>

(303)752-3382

--

Date: Wed, 29 Aug 2001 03:27:00 -0700

From: "Trevor Jacobs" <fxtech@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [105978] Ahhhh,The Heathkit HW-8

Message-ID: <013e01c13075\$247a8280\$350df4d8@tjacobs>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Everyone,

After reading Thomas' note about an HW-8 for sale, I was feeling kind of nostalgic. The HW-8 was my novice rig in 1982 when my call used to be KA2MWK in Liverpool, NY and served me well! It's a great little rig. Anyway, I bought one a while back, did a full alignment on it and got it working great, but I only used it on the air a few times. Seems like that's the way it goes sometimes with homebrew, there's always the next radio, and I'm one of those guys that seems to spend more time with a soldering iron in his hand than a set of paddles (unless I'm camping or out of town Hi!). I looked over in the corner of the shack and there it was, along with my HW-7 and HW-9 (the only one left that I actually built!). I decided to fire up the old venerable HW-8 and have a go at the straight as I don't have a keyer for it. I put it up on the desk and wired it up. She fired right up and I was hearing a few signals on 40 including the local practice station on 7.100

(good beacon station when out of town!), but the antenna was tuned up for 80 meters, so I decided to try 80. To my dismay not a peep came out of the rig, not even static! So I tried the other bands and got the same results. Back to 40 and it was still alive. After going over the HW-8 manual and measuring a few things (man I love these old Heathkit manuals!) I found that D6 was shorted. Don't quite know how that happened, and I didn't have a 1N458, but taking a look at the schematics, it looked like a 1N4148 might do the trick (any comments on this?) , so I replaced it. The rig fired up and all of the bands work now! What a relief! I put the rig back together and hooked it back up on the desk, but I am way too tired for a QSO tonight, so I think I'll put it on the air tomorrow. Every once in a while, these little rigs show up at swap meets, so don't overlook them as a good rig for working the bands. Working on this rig tonight sure brought back a lot of memories of working station in the NE and beyond when I was a novice. One really thrilling QSO I remember was working a station in Hobbs, NM on 15 meters. Can you imagine the look on my young face when I got the QTH!!! Just thought I'd share that...thanks for the bandwidth.

72/73
Trev
KG6CYN

Date: Wed, 29 Aug 2001 06:35:24 -0400
From: "Thaire Bryant" <tbry37@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105979] Antenna Question
Message-ID: <003301c13076\$4ff7d240\$41506041@ne.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I'm building a "Battle Creek Special", vertical
for
40-80-160. Has anyone on the list put one up?
Any suggestions on radials? I'm planning on
trying to put down 30 x 60'.

Comments welcome, reply direct.

Thaire W2APF

Date: Wed, 29 Aug 2001 06:50:54 -0400
From: "John Dorson" <JDORSON@worldshare.net>
To: <jsm@gulfislands.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105980] Re: Ocean State Electronics
Message-ID: <004d01c13078\$7b127320\$4b6e5a41@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

anyone have a url for them
john...

----- Original Message -----

From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 29, 2001 2:25 AM
Subject: Re: Ocean State Electronics

>
> Thanks to all who replied...all positives!
>
> > Is this a reliable company to deal with? Thought I would ask before
> placing
> > / not placing an order.
> >
> > Steve / VE7SL
>
>

Date: Wed, 29 Aug 2001 04:07:45 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <JDORSON@worldshare.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105981] Re: Ocean State Electronics - URL
Message-ID: <015a01c1307a\$d5745980\$350df4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi John (and anyone else needing the URL)

> anyone have a url for them
> john...

<http://www.oselectronics.com/>

Nice guys to deal with. I've ordered quite a bit from them in the past.

72/73

Trev

KG6CYN

Date: Wed, 29 Aug 2001 07:15:11 -0400
From: =?iso-8859-1?Q?Jocs=E1n_D=EDaz_L=F3pez?= <jocsan@ctehab.minbas.cu>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
Subject: [105982] OT - KF 520 component
Message-ID: <F194D0FF4327D411A1600050DA080486239DDD@cxctehab.ctehab.minbas.cu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Hello!

I am looking for information about KF 520 component. It looks like a JFET but I am not sure.

Any help?

73 and DX, C03J0 - Joc

Date: Wed, 29 Aug 2001 07:18:31 -0400
From: Dan Wolfe <n4roa@mounet.com>
To: qrp-1@Lehigh.EDU
Subject: [105983] Shelby, Nc HF
Message-ID: <3B8CCF87.7DE5@mounet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy All,

I am off to the Shelby, Nc Hamfest and will be camping there from today (noon) til late Sunday evening. My camper (Jayco pop-up) will be right against the back wall of the Fire Hall.

Anyone on the list that is going, feel free to come by for a chat.
Hope to see you there.

72/73...Dan Wolffe, N4ROA

Date: Wed, 29 Aug 2001 07:55:54 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [105984] OT:Science Fair Project using Ham Radio?
Message-ID: <3B8CD84A.EF6B84AB@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, gang,

My daughter is in need of a Science Fair Project idea. I was thinking that it would be nice if she could do something using ham radio but I don't have any ideas that would work. I don't think she can simply build a kit. I don't think she can build the kit using the Elmer 101 course. I suppose we could build a radio using Manhattan style and build it from scratch but I don't have kind of knowledge. (Hmm, how about a very simple rig where we put a lot of the devices on switches so you can switch in or out a component and see the affect?)

She to know her project idea (and have it approved) by 9/5.

Anybody got any ideas out there for this project?

Off-line answers are fine. Thanks in advance.

Michael N4NMR

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Wed, 29 Aug 2001 08:10:27 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: Mike Morrell <morrellm@ameritech.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105985] RE: Cover of July 2001 QRP Quarterly
Message-ID: <XFMail.20010829081027.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

And I am sensitive, new age, and liberal!

John W2AGN

On 28-Aug-2001 Mike Morrell wrote:
> I do have a good sense of humor

Date: Wed, 29 Aug 2001 07:30:08 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105986] Re: Post Cub Fox Hunt Thoughts
Message-ID: <005001c13086\$578e2990\$4800000a@nationwiderecovery.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I thought last night would be a total wash based on what I heard when I turned on my rig but actually, it wasn't that awful. I did end up calling cq about 30 minutes straight but what the heck... looks like I handed out 19 pelts and to the AC6 that I just never could get the call on, my humble apologies... you were ESP copy. Thanks a bunch hounds and I will post my log later today.

Date: Wed, 29 Aug 2001 08:14:51 -0400
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [105987] Source for TUF mixers?
Message-ID: <5.0.2.1.0.20010829081342.00a35990@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good morning,

Could someone please direct me to a vendor that carries the TUF mixers from

MCL?

Thanks,
Ed AA3SJ

Date: Wed, 29 Aug 2001 08:17:39 US/Central
From: delphinus@brightok.net
To: qrp-1@Lehigh.EDU
Subject: [105988] Re: OT:Science Fair Project using Ham Radio?
Message-ID: <200108291317.IAA14790@mail1.brightok.net>

Michael,

I think this is terribly ON Topic! For the hobby to grow, we have to get exposure and show people how much fun it can be. Science fair projects certainly have that potential. Try out the ARRL website link below and good luck.

<<http://www.arrl.org/tis/info/science.html>>

73 de Matthew,
AD5AP

This message was sent using BrightNet MailMan.
<http://www.Brightok.net/mailman/>

Date: Wed, 29 Aug 2001 06:25:21 -0700
From: "Robert Friess" <rfriess@attglobal.net>
To: <edkess@pa.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [105989] Re: Source for TUF mixers?
Message-ID: <01df01c1308e\$0f3e1260\$6501a8c0@1GHzPentiumIII>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ed,

I buy mine from their North American Distribution Center in Branson MO. See the following web page in the upper left quadrant.

<http://www.minicircuits.com/reps.htm>

73,
Bob, N6CM

>
> Could someone please direct me to a vendor that carries the TUF mixers
from
> MCL?
>
> Thanks,
> Ed AA3SJ
>

Date: Wed, 29 Aug 2001 09:46:03 -0400
From: k8ff@juno.com
To: qrp-l@lehigh.edu
Subject: [105990] New K8FF keys
Message-ID: <20010829.094711.-964677.0.k8ff@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks to everyone for the interest in my key designs. Ever since the introduction of the NORCAL/K8FF paddle kit, both newbies and old timers alike have been encouraging me to design more keys. The many compliments that I have received on the air and via Internet have been most gratifying. Rather than try to answer each e-mail I will do it with this open letter.

The NORCAL paddle is enjoying continued success as the Vibroplex "CODE WARRIOR JUNIOR". It remains basically the same design with a number of improvements by Vibroplex. The paddle comes completely assembled and has silver contacts with finer adjustment screws. The base is powder coated black and has the Vibroplex "Rope Knurl Knobs" for easy adjustment. The "Code Warrior Junior" has been used on several highly successful Dxpeditions, F00MAC and D68C to mention just two.

The newest additions to the line have been highlighted in the Sept. 2001 issue of QST on page 100. QRP ops asked for a reasonably priced lightweight straight key. The new "Code Mite" from Vibroplex fills the bill. I wanted to build a rugged small key with good feel that could take abuse in the field. The "Code Mite" is made of chrome plated solid brass with an engraved plastic base. Silver contacts with full size

adjustment knobs give it the feel of a much larger key. Why not give it a try for your next portable QRP expedition??

The "VENUS" is the ultimate iambic paddle available from Vibroplex. It is based on the highly successful "Code Warrior Junior" design. It uses rare earth magnets instead of springs for an outstanding feel. The use of ball bearings and fine adjustment screws allows for micro adjustments for the discriminating operator. The use of solid Brass and alloy steel construction along with show chrome plating make for an extremely attractive package weighing in at 2.4 pounds. If you are looking for an investment quality key that can be used daily, why not give the "VENUS" a look?

The above described products are built with pride by "Vibroplex" from designs by K8FF.

Vibroplex can be reached at (800) 840-8873 or at WWW.VIBROPLEX.COM

Best wishes to all, Wayne K8FF

"KNOW CW"

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 29 Aug 2001 06:43:30 -0700 (PDT)
From: Gary Slagel <gds slagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [105991] FS: K2 160M/2nd RX Ant option
Message-ID: <20010829134330.79753.qmail@web11601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi guys...

I recently purchased a K2 that came with an unassembled 160M/2nd RX Ant option. I'm not too interested in 160M so if anyone wants this little kit I'll sell it for \$25 plus \$2 shipping. If I can't sell it for that I guess I'll BECOME interested in 160 and install it in the K2.

Thanks for the bandwidth.

73, Gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?

Make international calls for as low as \$.04/minute with Yahoo! Messenger
<http://phonecard.yahoo.com/>

Date: Wed, 29 Aug 2001 09:41:57 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [105992] Re: Cover of July 2001 QRP Quarterly
Message-ID: <000301c13090\$5fb4e8c0\$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Notice how tough it's getting these days to *not* offend someone? As a society, we seem to have become a big group of whiners.

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Wed, 29 Aug 2001 14:01:50 GMT
From: w2agn@pobox.com (John Sielke)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [105993] Re: Cover of July 2001 QRP Quarterly
Message-ID: <3b8cf4f2.238268156@smtp.snip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Now see what you did! SOMEBODY is going to accuse you of calling them

a "whiner." Then there will be a long series of posts on this thread, with people calling each other names. 372 1/2 people will unsubscribe, after posting a long message about how "this list isn't like the good old days, etc, etc."=20

Shame on you. You should be kind and sensitive and non-provocative...just like me!

John W2AGN

On Wed, 29 Aug 2001 09:41:57 -0400, John Harper AE5X <ae5x@qsl.net> typed:

>Notice how tough it's getting these days to *not* offend someone? As a
>society, we seem to have become a big group of whiners.
>
>John Harper AE5X

Date: Wed, 29 Aug 2001 08:46:46 -0500
From: n4so@juno.com
To: qrp-l@lehigh.edu
Subject: [105994] Xicon Gas Tube Surge Arrestors
Message-ID: <20010829.090039.9502.9.N4S0@juno.com>

Xicon Gas Tube Surge Arrestors from Mouser Electronics
page 329 in an old catalog.
part number 444-GT-90L breakdown voltage around 90 volts.
They have other part numbers with a breakdown voltage around
230, 350 and 600 volts.
\$2.80.

Ken Brown-N4S0
Mobile, AL EM50tk
NC-20 at 5 watts and 4 ele. yagi

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 29 Aug 2001 08:55:15 -0500

From: n4so@juno.com
To: qrp-1@lehigh.edu
Subject: [105995] EmTECH NW Series/ZM-2 antenna tuner
Message-ID: <20010829.090039.9502.10.N4S0@juno.com>

Emtech NW series... and ZM-2 antenna tuner...

From: Robert Wright <rwright@soml.com>
Date: Tue, 28 Aug 2001 20:45:32 -0700
Subject: Order Numbers Emtech

EMTECH
1127 Poindexter Ave W.
Bremerton, WA 98312

telephone 360-405-6805

Scott Gregson
emtech@steadynet.com

NW series for 80, 40, 30 or 20 meters:
\$130 complete kit with audio filter
AF-1, cabinet (nice!) including shipping and handling \$130.00

Board only kit with controls for NW series \$80.00

Cabinet kit with hardware including shipping and handling \$35.00

AF-1 audi filter kit only \$22.50

ZM-2 Antenna tuner with s&h \$50.00
(probably one of my next purchases)

Ladder grabber for 450 ohm feeline \$7.75

Coax grabber \$7.75

basically all the prices include S&H!

Checks payable to EMTECH

VY 72,
Bob
K7RRW
Santa Rosa

Ken Brown-N4S0

Mobile, AL EM50tk
NC-20 at 5 watts and 4 ele. yagi

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 29 Aug 2001 14:48:27 +0100
From: "G3MFJ" <g3mfj@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [105996] Re: Source for TUF mixers?
Message-ID: <005e01c13092\$513d12c0\$02010080@graham>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi

> Could someone please direct me to a vendor that carries the TUF
> mixers from MCL?

As you are a G-QRP club member, can I suggest that you wait for the next issue (at the end of September!) as there will be an incredible club offer regarding double balanced mixers in Sprat 108!

Unfortunately, it is for club members only - if anyone else is interested & they are not a member - sorry!

72/3

Graham
G3MFJ

Date: Wed, 29 Aug 2001 10:19:18 -0400
From: Donn Kuse <casey.jay@gte.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [105997] Re: Which QRP Rig

Message-ID: <3B8CF9E6.55240092@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Want to thank all who responded to my request for info on QRP rigs.
I've narrowed it down to two, the SW-40 or the K1, then possibly the K2
later. Like the K1 because of the dual band options and the SW40 from
SWL because of the Elmer 101 for that kit. Problem with the SW40 I'd
have to get a different vertical antenna. My A99 will let me get to
20M. Only allowed verticals where I live. Been thinking about the
Hustler BTV5.
Tnx agn to all.
73, Donn, WB4ZWT
Haines City, FL
66 and still trying to learn!

Date: Wed, 29 Aug 2001 10:13:11 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [105998] Bears, K1 and 3D2AG
Message-ID: <000701c13094\$bce4f860\$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

My wife and I were awakened at 6 this morning by a loud bang outside our
window. I turned on the outside light and saw that a black bear had broken
into our shed and was eating the garbage. For fear of offending someone, I
won't say how I made the bear leave so that we could get to our cars, but it
had something to do with a Red Ryder. The bear took off like a shot, my wife
was able to get to her car and I went out to clean up the garbage. I noticed
that the line from one of my dipoles had also been ripped from its anchor
point on the shed & the antenna was on the ground. I hauled it back up and
tied it off, then went inside to test it with my K1 and its newly-installed
battery option. 3D2AG was CQing from Fiji and was easy pickin's and my 1st
QSO with the K1 on AA batteries.

What's the moral of the story? There ain't one, but it sure was a fun
morning.

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Wed, 29 Aug 2001 10:21:22 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: jsm@gulfislands.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [105999] Re: Ocean State Electronics
Message-ID: <3B8CFA62.13E993B3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

Why would you think it is not? Have you ever had experience ordering from them?

I have found them to be very reliable. They are a well established business. Why don't you write and ask them for a catalog? I believe you can find them on the web.

73

Date: Wed, 29 Aug 2001 10:28:01 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106000] PSK-31 80M
Message-ID: <002e01c13096\$d0a0a0a0\$0572ccd8@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi

Anyone going to be active on 80m psk in the next few days.. I've recently go a warbler up and running and so far have seen not a sign of a trace on the waterfall... get W1AW just fine...

Where's everyone at?

Hope to see you on 80m soon.

72 Dave KC1DI // always qrp

Date: Wed, 29 Aug 2001 09:32:46 -0500
From: "William H. Launer" <wlauner@mail.win.org>
To: qrp-1@Lehigh.EDU
Subject: [106001] RE: Cover of July 2001 QRP Quarterly
Message-ID: <103130300b7b2acb10627@[204.184.54.160]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Next thing we'll hear is that "QRP to the Field" disturbs the wildlife too much!

I thought golf was a game - maybe the golfers should go to the 19th hole BEFORE the game!

loosen up and smile a little!

72/73, Bill

Bill Launer wb0cld
St. Charles, MO

Date: Wed, 29 Aug 2001 10:53:19 -0400
From: "Lee S. Mairs" <lmairs@cox.rr.com>
To: <elbc@pivot.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [106002] Re: PSK-31 80M
Message-ID: <008c01c1309a\$58005c40\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I'll meet you at 2100 EDT this evening,
73 de Lee, KM4YY

Rifles, muskets, long-bows and hand-grenades are inherently democratic weapons.
A complex weapon makes the strong stronger, while a simple weapon -- so long as
there is no answer to it -- gives claws to the weak.

--George Orwell, "You and the Atom Bomb", 1945

----- Original Message -----

From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 29, 2001 10:28 AM
Subject: PSK-31 80M

> Hi
> Anyone going to be active on 80m psk in the next few days.. I've recently
go
> a warbler up and running and so far have seen not a sign of a trace on the
> waterfall.... get W1AW just fine...
>
> Where's everyone at?
>
> Hope to see you on 80m soon.
> 72 Dave KC1DI // always qrp
>
>

Date: Wed, 29 Aug 2001 08:02:21 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <edkess@pa.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106003] Re: Source for TUF mixers?
Message-ID: <001701c1309b\$9c570fa0\$0200a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Halted Specialty Components (HSC) in Sunnyvale has
SBL-1 mixers for \$6.95. They are at <http://www.halted.com>
They may have the TUF versions too, I don't know.

72, Dave, AD6A

----- Original Message -----

From: "Ed Kessler" <edkess@pa.net>
> Could someone please direct me to a vendor that carries the TUF mixers
from
> MCL?

Date: Wed, 29 Aug 2001 10:59:33 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <hduff@ica.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106004] Re: No WX band on FT817...a SERIOUS concern!
Message-ID: <002301c1309b\$39c41360\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd have to disagree. Here in this area of the country, you can swipe the FM broadcast up and down during a storm and not find a single alert. I know, I've done it. And from my home I can probably receive 30 or 40 FM stations. Besides, it's not the major alerts that you're interested in when hiking, it's the 'general' weather. And in that case the only way to get it on the broadcast FM is to SIT on a station and have an extended listening period, not something I really want to do if I'm out in the woods hiking with an 817! In fact, if I'm out in the woods,
I just don't bring 'music'.

Mike

----- Original Message -----
From: Duffer <hduff@ica.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, August 28, 2001 9:03 PM
Subject: No WX band on FT817...no biggie !

> I don't find it so devastating that the FT-817 lacks WX band RX (162
> MHz).
> Of course, the FT-817 receives everything else...
> Just tune in to an FM broadcast station...you're bound to find a
weather
> report among the news,
> especially so if there is an extreme weather watch or warning.
> And, you're more likely to receive an FM broadcast station than a WX
> transmission while you're backpacking in a more remote area. Nothing
> lost as far as I'm concerned.
> Hugh VA3TO
>
>
> Date: Tue, 28 Aug 2001 07:22:22 -0400

> From: "Mike Yetsko" <myetsko@insydesw.com>
>
> ----- Original Message -----
> From: Howard Kraus <K2UD@adelphia.net>
> >
> > I wonder if they have a new improved version in the works? If so,
> they
> may
> > be trying to clear inventory in anticipation of a new release.
Kinda
> like
> > the ICOM IC-706, IC-706MkII, IC-706MkIIG thing.
> >
> > Howard Kraus, K2UD
>
>
> There's been rumors for a while now of a different
> firmware set for the 817 that would at least allow
> WX band. I wonder if maybe they just tweaked for
> that? In my mind, leaving the WX band off was a
> SERIOUS mistake for a radio that seems to me to
> be designed for a 'backpacker' type transportable.
>
> Mike
>
>

Date: Wed, 29 Aug 2001 11:25:12 -0400
From: Radiohead <hduff@ica.net>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106005] Re: No WX band on FT817...a SERIOUS concern!
Message-ID: <3B8D0958.C4099979@ica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some of you guys are making out like it's a major flaw that the FT-817 doesn't have 162 MHz WX RX. (It's slides, dices and does 'everything' else.) "You can please some of the people some of the time, but you can't please all of the people all of the time."

I'm simply suggesting that it's not so bad after all since there is an alternative.
I'd be willing to bet that in most areas, you will hear an FM broadcast

station before you would hear a 162 MHz WX station. Granted, you may have to 'sit' on a station to wait for the weather report (and enjoy some music in the meantime ?), but you WILL get the weather.

Sure, instant weather reports would be nice but I don't consider it a "SERIOUS concern" :) If this requirement is imperative, you would be well advised to carry a \$25 WX radio around with you.

I suspect, from a technical point of view, there was a limitation of the VCotuning range in the FT-817 design...from a marketing point of view, it came down to a choice of FM Broadcast or 162 MHz WX, the masses would chose the former.

Well Mike, if you consider it "a SERIOUS concern" that the 817 lacks WX RX, you can always trade it in for a ??? :)

73 de Hugh VA3TO

Mike Yetsko wrote:

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> the FM broadcast up and down during a storm and not find a single
> alert. I know, I've done it. And from my home I can probably receive
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> the only way to get it on the broadcast FM is to SIT on a station and
> have an extended listening period, not something I really want to do if
> I'm out in the woods hiking with an 817! In fact, if I'm out in the
> woods,
> I just don't bring 'music'.

>

> Mike

>

> ----- Original Message -----

> From: Duffer <hduff@ica.net>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Sent: Tuesday, August 28, 2001 9:03 PM

> Subject: No WX band on FT817...no biggie !

>

> > I don't find it so devastating that the FT-817 lacks WX band RX (162
> > MHz).

> > Of course, the FT-817 receives everything else...

> > Just tune in to an FM broadcast station...you're bound to find a
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> > especially so if there is an extreme weather watch or warning.

> > And, you're more likely to receive an FM broadcast station than a WX

> > transmission while you're backpacking in a more remote area. Nothing
> > lost as far as I'm concerned.
> > Hugh VA3TO
> >
> >
> > Date: Tue, 28 Aug 2001 07:22:22 -0400
> > From: "Mike Yetsko" <myetsko@insydesw.com>
> >
> > ----- Original Message -----
> > From: Howard Kraus <K2UD@adelphia.net>
> > >
> > > I wonder if they have a new improved version in the works? If so,
> > they
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> > Kinda
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> > >
> > > Howard Kraus, K2UD
> >
> >
> > There's been rumors for a while now of a different
> > firmware set for the 817 that would at least allow
> > WX band. I wonder if maybe they just tweaked for
> > that? In my mind, leaving the WX band off was a
> > SERIOUS mistake for a radio that seems to me to
> > be designed for a 'backpacker' type transportable.
> >
> > Mike
> >
> >

Date: Wed, 29 Aug 2001 11:30:06 EDT
From: N10DL@aol.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [106006] TEST. do not read
Message-ID: <2f.1a069560.28be647e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This is to test to see if I got rid of the HTML problem

Date: Wed, 29 Aug 2001 11:40:26 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Radiohead" <hduff@ica.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106007] Re: No WX band on FT817...a SERIOUS concern!
Message-ID: <006101c130a0\$ff5efb80\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Radiohead <hduff@ica.net>

> Well Mike, if you consider it "a SERIOUS concern" that the 817
> lacks WX RX, you can always trade it in for a ??? :)
>
> 73 de Hugh VA3TO

Nah, I just won't buy it. I have a K2 now, and the 817, as nice as it
is
otherwise, would be to 'augment' the K2, or be a niche 'backpacker/
hiker' type radio.

At \$617 (which was the HRO sale price this last weekend) I probably
would have pulled out the plastic if it had WX.

I've 'heard' that there is a hacker attack to give it weather, and if I
could
confirm that... (And how well it works) I wouldn't mind having the
rig
for the VHF SSB capability...

Mike

Date: Wed, 29 Aug 2001 12:07:14 -0400
From: "Walt Amos" <k8cv@netzero.net>
To: "List Qrp-1" <qrp-1@lehigh.edu>
Subject: [106008] FT-817
Message-ID: <000c01c130a4\$a8e70b60\$159f9840@NetZeroUser>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang:

Will the FT-817 D MARK II G , have the weather service?

Walt K8CV Royal Oak, MI

NetZero Platinum
Sign Up Today - Only \$9.95 per month!
<http://my.netzero.net/s/signup?r=platinum&refcd=PT97>

Date: Wed, 29 Aug 2001 10:19:16 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [106009] Re: Canadian Radio Help
Message-ID: <Pine.0SF.4.31.0108291017540.31671-1000000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=ISO-8859-1
Content-transfer-encoding: QUOTED-PRINTABLE

Ian:

Could you give me more information? I might be able to find someone here who could help.

Brian.

On Wed, 29 Aug 2001, Ian C. Purdie VK2TIP wrote:

> Hams in Canada:
>
> <snip>
> Saskatchewan is going through a major transition in regards to
> communications over the next two years.....
>
> St. Brieux & District Volunteer Fire Department and First
> Responders.
>
> </snip>
>
> These folks need some help, anyone local able to assist?
>
>

> 72/73's
>
> Ian Purdie
> "I believe Australia is the best address on earth"
> Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'
> My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>
> VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
> URL - <http://www.electronics-tutorials.com/>
>
>
>

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>
VE5RDV

Did you hear about the two antennas that got married? The wedding was a
disaster but the reception was great!

Date: Wed, 29 Aug 2001 12:19:24 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <hamjoel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106010] Re: A Tale of Cw Novice Days
Message-ID: <1010729121925.MAA08888@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/16/01 9:29 PM, Joel M Denison at hamjoel@juno.com wrote:

>guess it's kinda like ur first solso flight.. the instructor
>finally got himself out the plane... and somewhere about 50 foots in the
>air ah realized he wasn't thair....

Naw, Joel. I was nervous on my first solo right up until the wheels left
the ground. Then, I was too busy to be nervous.

But, it took me a LONG time not to be nervous on the air.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 29 Aug 2001 12:19:58 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <nn1g@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106011] Re: 40673 Caution: techno-babble
Message-ID: <1010729121959.MAA08905@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/24/01 8:16 PM, Dave Benson at nn1g@earthlink.net wrote:

>The cascode amplifier configuration is used where high gain at high
>frequency is needed. For a single-transistor amplifier, the 'spoiler' is
>parasitic capacitance between collector-base or drain-gate. This parasitic
>capacitance is effectively multiplied by stage voltage gain ("Miller-effect
>capacitance") and at high enough frequencies, dominates the amp behavior.
>Stability problems- bad news. The cascode virtually (I love that word!)
>eliminates this effect.

As I recall, the Cascode amplifier pre-dates FETs. I originally saw it
first using two triode tubes, and later FETs. I had heard no mention of
using Bipolar transistors, but I don't see why you couldn't.

The Cascode is nothing more than a grounded cathode (source, emitter)
amplifiers directly coupled to a grounded grid (gate, base) stage.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 29 Aug 2001 12:37:17 -0400
From: Radiohead <hduff@ica.net>

To: Mike Yetsko <myetsko@insydesw.com>, qrp-l@lehigh.edu
Subject: [106012] Re: No WX band on FT817...a SERIOUS concern!
Message-ID: <3B8D1A3D.65C557CA@ica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, to each their own...

Proof is in the puddin' tho... Lots of FT-817's have been sold. Marketing must have done their homework and nobody else appears to have followed suit with a comparable rig that includes WX RX.
Hugh VA3TO

Mike Yetsko wrote:

```
> ----- Original Message -----  
> From: Radiohead <hduff@ica.net>  
>  
> > Well Mike, if you consider it "a SERIOUS concern" that the 817  
> > lacks WX RX, you can always trade it in for a ??? :)  
> >  
> > 73 de Hugh VA3TO  
>  
> Nah, I just won't buy it. I have a K2 now, and the 817, as nice as it  
> is  
> otherwise, would be to 'augment' the K2, or be a niche 'backpacker/  
> hiker' type radio.  
>  
> At $617 (which was the HRO sale price this last weekend) I probably  
> would have pulled out the plastic if it had WX.  
>  
> I've 'heard' that there is a hacker attack to give it weather, and if I  
> could  
> confirm that... (And how well it works) I wouldn't mind having the  
> rig  
> for the VHF SSB capability...  
>  
> Mike
```

Date: Wed, 29 Aug 2001 13:08:30 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [106013] Re: FT-817
Message-ID: <000301c130ad\$3adfb760\$5b7abc18@johnharp>

MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Yes, but only if you decline the built-in GPS option.

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Wed, 29 Aug 2001 17:09:23 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: edkess@pa.net, qrp-1@Lehigh.EDU
Subject: [106014] Re: Source for TUF mixers?
Message-ID: <F223ii08N8yxdZjfNLn0001921e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>
>Could someone please direct me to a vendor that carries the TUF mixers from
>MCL?

I buy mine direct from MCL/Dale here in the UK. You shouldn't have any problems doing the same.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 29 Aug 2001 14:03:58 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: "William H. Launer" <wlauner@mail.win.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [106016] RE: Cover of July 2001 QRP Quarterly
Message-ID: <XFMail.20010829140358.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Golf, a GAME!? Good grief, man, next thing you'll be saying Ham Radio is a HOBBY!

Get real!

John W2AGN (whose golf scores would look impressive...at a bowling alley)

On 29-Aug-2001 William H. Launer wrote:

> I thought golf was a game - maybe the golfers should go to the 19th hole
> BEFORE the game!
>

Date: Wed, 29 Aug 2001 11:50:44 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@Lehigh.EDU>
Cc: Russ Dow <n7dw@pacbell.net>
Subject: [106017] HF Bands again bad
Message-ID: <Pine.LNX.4.33.0108291145350.6429-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Please have a look at this web page:

<http://www.sec.noaa.gov/ftpdir/indices/events/events.txt>

This page on a good day is almost empty. At noon MDT or 1600Z it's 2 pages and growing. Numerous middle to small flares and X-ray events. I tried to use 40 meters just now and it's hard to get 200 miles with QRO power!

I have a schedule at 9pm MDT on 10.111 MHz that I will keep but the sun is sure not helping at all!

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 29 Aug 2001 13:54:15 EDT
From: WY1W@aol.com
To: qrp-1@lehigh.edu
Subject: [106018] Re:CABELAS TELESCOPIC POLE
Message-ID: <a.11d292b1.28be8647@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Who has the info on the SLV with the cabelas 14' telescopic graphite pole. I ordered mine today from Cabela's. I'm heading down to San Antonio next month (Sept. 10-14) for a navigation conference and already have my reservation for a room on the top floor with a window/balcony that opens. My Sierra will get very lonely if it doesn't have a nice antenna to load into. I will take along my trusty 45' chunk of 28 gauge magnet wire and zm-2 just in case

Also any qrpers down in SanAnton?

TNX Butch WY1W

Date: Wed, 29 Aug 2001 10:35:20 -0700
From: "Dan McLaughlin" <danmclaughlin@lycos.com>
To: qrp-1@lehigh.edu
Subject: [106019] Interesting HB site
Message-ID: <OKILHBHPCELCJAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

There is a newer version of David White's Receiver Site at

<http://www.pan-tex.net/usr/r/receivers/>

It has additional information about a new kit that is coming out.

Dan
KD5DET

>Date: Tue, 28 Aug 2001 12:36:54 -0400
>From: dmaliniak@penton.com
>To: qrp-1@lehigh.edu

>Cc: njqrp@njqrp.org
>Subject: [105937] Interesting HB site
>Message-ID: <OFF8D72763.AE7B51EE-0N85256AB6.005B304B@penton.com>
>MIME-Version: 1.0
>Content-type: text/plain; charset=us-ascii

>Gang:

>Here's one I hadn't come across before.... FYI.

><http://www.ai.com/receivers/Default.htm>

>72,
>David, AD2A
>Glen Rock, NJ

Get 250 color business cards for FREE!
<http://businesscards.lycos.com/vp/fastpath/>

Date: Wed, 29 Aug 2001 13:18:54 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [106020] Re: OT:Science Fair Project using Ham Radio?
Message-ID: <000301c130ae\$ae6b60c0\$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

How about a crystal set that uses different minerals as the detector -
galena, razor/pencil lead (see:
<http://freeweb.pdq.net/headstrong/foxhole.htm>), 1N34 diode, etc.

Another site that you may find helpful:
<http://www.midnightscience.com/sciencefair.html>

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Wed, 29 Aug 2001 10:31:11 -0700
From: Scott Gregson - KC7MAS <emtech@steadynet.com>
To: n4so@juno.com, qrp-1@lehigh.edu
Subject: [106021] Re: EmTECH NW Series/ZM-2 antenna tuner
Message-ID: <3B8D26DE.C18554B5@steadynet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Prices include S&H in Canada and the US . International shipping is additional.

In addition to checks and MO, we also accept all major credit cards through our secure server, over the phone or snail mail..
<http://emtech.steadynet.com/order.shtml>

Thanks for the promo!

Scott Gregson - KC7MAS
emtech@steadynet.com
<http://emtech.steadynet.com>

1127 Poindexter Ave W
Bremerton, WA 98312
(360) 405-6805
+++++
Scott Gregson Co. / Emtech / CFC

n4so@juno.com wrote:

> Emtech NW series... and ZM-2 antenna tuner...
>
> From: Robert Wright <rwright@soml.com>
> Date: Tue, 28 Aug 2001 20:45:32 -0700
> Subject: Order Numbers Emtech
>
> EMTECH
> 1127 Poindexter Ave W.
> Bremerton, WA 98312
>
> telephone 360-405-6805
>
> Scott Gregson
> emtech@steadynet.com
>
> NW series for 80, 40, 30 or 20 meters:
> \$130 complete kit with audio filter

> AF-1, cabinet (nice!) including shipping and handling \$130.00
>
> Board only kit with controls for NW series \$80.00
>
> Cabinet kit with hardware including shipping and handling \$35.00
>
> AF-1 audi filter kit only \$22.50
>
> ZM-2 Antenna tuner with s&h \$50.00
> (probably one of my next purchases)
>
> Ladder grabber for 450 ohm feeline \$7.75
>
> Coax grabber \$7.75
>
> basically all the prices include S&H!
>
> Checks payable to EMTECH
>
> VY 72,
> Bob
> K7RRW
> Santa Rosa
>
> Ken Brown-N4SO
> Mobile, AL EM50tk
> NC-20 at 5 watts and 4 ele. yagi
>
>

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> <http://dl.www.juno.com/get/tagj>.

--

Scott Gregson - KC7MAS
emtech@steadynet.com
<http://emtech.steadynet.com>

1127 Poindexter Ave W
Bremerton, WA 98312
+++++
Scott Gregson Co. / Emtech / CFC

Date: Wed, 29 Aug 2001 12:33:43 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [106022] Math Theory Help
Message-ID: <F9645092A142D3118CBD00805F15292E15CAF52F@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

When I got my Advanced ticket I took a class. The main reason I took the class was I wanted to pass the exam and LEARN something (not just learn how to pass the test). The instructor was great (forget his name) and he could explain what he was talking about - I think I drove the others in the class nuts as I wanted to understand and most of them just wanted to pass the exam.

Anyway at one point I had a basic understanding of what this meant "feedpoint Z of 41+j42". Well at times, when I can't sleep, I get the books out and re-learn it. But I'm getting older and don't have as much trouble sleeping (can't seem to get enough) and I don't remember as long. My math background is sufficient to do the math but I can't remember what is going on.

How about an Elmer thread - one that explains what is meant when you see the $Z = XX + jYY$. How are XX and YY measured, what do they mean and it appears that just by looking at $XX + jYY$ a lot of people on this list have an understanding of what the overall picture is. To me it's just an imaginary number and I don't really remember what those are (they are kind of like Dragons aren't they?). I want the theory or story behind it. What can you do with it and what does it tell you.

So how about it.

de KI00T, Brad

Date: Wed, 29 Aug 2001 10:14:39 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "AD6CW (Jim Lowman - home) (E-mail)" <Jim.Lowman@sbcusd.k12.ca.us>,
"AD6CW (Jim Lowman - work) (E-mail)" <AD6CW@arrl.net>,
Cc: "QRP-l Forum (E-mail)" <qrp-l@Lehigh.EDU>,
'elecraft@qth.net' <elecraft@qth.net>
Subject: [106023] ARRL SW Division QRP Forum Friday Night Dinner
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B77361@hq-expo2.filenet.com>

Guys,

Just a word to let you know that Jim Lowman, AD6CW, is making arrangements

with Pepito's in Riverside for our Friday night get-together. If there are enough in attendance, the proprietors will open the restaurant for our exclusive use! If you are going to be in town for the convention and QRP forum and would like to attend please send Jim an e-mail at jmlowman@directvinternet.com and let him know.

This is a really nice place, the food's good, and we'll get to order off the menu -- no rubber chicken specials or like that. BUT YOU GOTTA LET JIM KNOW BY FRIDAY IF YOU WANT IN. Also, since the place is a little away from the convention center, we need to arrange for transportation for those without cars.

A gratuitous sidebar: if you are still on the fence about attending, apparently the Holiday Inn is **still** offering the convention rate for rooms: \$89 versus \$119. They said that offer would expire on August 20th, but K6BNC just booked a room and was offered the convention rate. Shhhh! It'll be our secret, but call them up now before that expires.

The convention website has all the information including the great QRP forum program we are putting on:

<http://www.qsl.net/arrl-2001swdc/>

And, don't forget to e-mail Jerry Parker and let him know you are coming so he can make a badge for you! AGAIN, IF YOU'RE GOING DO THAT RIGHT AWAY SO JERRY CAN GET THEM DONE IN TIME. He does great work and you gotta have one of these as a memento!

jparker@fix.net

See you there!

Bill, K6WHP

Date: Wed, 29 Aug 2001 14:37:00 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106024] Science Fair Projects using Ham Radio?
Message-ID: <3B8D364C.84E82D2@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I haven't placed "OT" in front because this is precisely one of the most on-topic issues we can discuss. QRP is ideal for allowing experimentation with simple circuits and inexpensive projects. And, if

we don't actively recruit new qrp'rs, who are we going to qso with in the future?

The same conversations about interesting projects have been going on at our house. At my son's school, the focus of the fair is more on experimentation and presentation/interpretation of results, not just neat applications of scientific principles. This makes coming up with "interesting" projects a little more difficult.

Accordingly, we've been fooling with several ideas:

--rf shielding: using simple (like pixie or Tuna Tin II) source, limited antenna, and

surrounding with various "shields" showing the relative effectiveness of various materials in cutting down rf exposure.

--audio filtering: building simple audio filter with variable values and feeding sw

signals (such as WWV) into filter to show effect of supressing certain sound

frequency ranges on intelligibility of signal. Could use computer soundboard

spectrum analyzers to spice up the data.

There are other radio-related projects that could catch a kid's imagination. For example, several websites have simple VLF receivers that can record "whistlers" and other atmospheric phenomenon.

Some quick thoughts---maybe others have some ideas to share.

73

Ken KG4FGC

Date: Wed, 29 Aug 2001 12:03:18 -0700 (PDT)
From: Scotty Wright <zydeco9214@yahoo.com>
To: hduff@ica.net,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106025] No Mod WX band on FT817 cant get there from here
Message-ID: <20010829190318.20345.qmail@web13508.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello QRP-1

True the ft-817 dose not have a WX capability. There is a execellent ft-817 user group on YAH00. We discuss the modes for the rig, but so far we have not been able to get it to RX up to the 156mhz range WX. This little rig may be a good starting point for the new 5 mhz band as their is a all hf mod. No it dose not have the ears of the K2 and is a heavy power hungry rig. But the nearest comparison is the ft100. I figure it would only cut my range by one day in the bush. Bottom line, I love the lil rig. It dose almost everything I want it to do. For wx I carry a VX-1r. The combination makes a nice pair for camping and emergency work. I have a tin ear, so the RX is no big deal. The power consumption is high, but my thought is this would be a plus as it would keep a snow cave to 32F nice and toasty. 73 de wb5tla k

Do You Yahoo!?

Get email alerts & NEW webcam video instant messaging with Yahoo! Messenger
<http://im.yahoo.com>

Date: Wed, 29 Aug 2001 15:06:42 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <nkennedy@tcainternet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106026] Re: Adding a BFO to a RCVR
Message-ID: <1010729150644.PAA21734@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/24/01 10:02 AM, Nick Kennedy at nkennedy@tcainternet.com wrote:

>The normal BFO on the S-120 is just a pot from a suppressor grid to ground
>that causes the stage to break into regeneration, I guess. Anyway, it
>makes CW sound like someone is gargling through a kazoo.

I used to have an old Heath GR-64 that had a BFO like this. The key was to adjust the BFO level so it just bearily breaks into oscillation. (Much like you would on a regenerative receiver)

Worked OK on the GR-64. Biggest problem was the pot, having a DC voltage across it, got scratchy after a short while. The GR-64 wasn't the most stable, especially on band D, but after a considerable warm-up, it would stay put for most SWL-type CW or SSB demodulating.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 29 Aug 2001 15:11:58 -0400
From: Tim ORourke <TORourke@KaiserFT.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [106027] Elecraft Booth @ Shelby Ham Fest
Message-ID: <910D8E9955E3D411B3AE00A0C9319CB80C63B2@MAIL>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Attention all Elecrafters planning on attending Shelby Ham Fest. John Halliwell and I will be sharing duties manning the Elecraft Booth. Stop by and say hello and bring your rig and QSL cards by to help fill the booth. If you would like to help out manning the booth please e-mail us off the list.

John Halliwell WB4VLQ
halliwel@esper.com
or
Tim ORourke KG4CHX
TORourke@KaiserFT.com

Date: Wed, 29 Aug 2001 15:11:33 EDT
From: Drbob92031@aol.com
To: qrp-1@lehigh.edu
Subject: [106028] Re::Science Fair Project using Ham Radio? YES
Message-ID: <be.19cc47b7.28be9865@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

How can any one even think of not including Ham Radio in a science fair. Science is what radio is all about. The "nuts and bolts" so to speak of the hobby..

A science fair can have the science of electronics demonstrated thru Ham Radio. Its a natural. A virtual "show and tell". The telephone is always a presence at science fairs and Ham Radio leaves the telephone in its dust.

72/73 de WA2EAW..Bob

Date: Wed, 29 Aug 2001 15:13:09 -0400 (EDT)
From: Stephan Greene <sgreene@patriot.net>
To: Michael Bower <bowerm@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106029] Re: OT:Science Fair Project using Ham Radio?
Message-ID: <Pine.LNX.4.10.10108291500000.1198-100000@tzion.greene.lan>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 29 Aug 2001, Michael Bower wrote:

> My daughter is in need of a Science Fair Project idea. I was thinking
> that it would be nice if she could do something using ham radio but I

Hi Mike!

More important - does *she* want to do something using radio? She should pick a subject that arouses her curiosity. If it happens to be radio-related, so much the better for you (now Dad can help with all that equipment in the shack...)

> don't have any ideas that would work. I don't think she can simply
> build a kit. I don't think she can build the kit using the Elmer 101
> course. I suppose we could build a radio using Manhattan style and
> build it from scratch but I don't have kind of knowledge. (Hmm, how
> about a very simple rig where we put a lot of the devices on switches so
> you can switch in or out a component and see the affect?)

You don't mention what grade she's in - I will assume jr or sr high.

Here are a couple of ideas:

- propagation studies using APRS beacons on 2M or 30M, maybe correlate with NOAA observations from spaceweather. Nice tie-in to how the ionosphere affects radio propagation. More sophisticated could be same using the 20M beacons.

- maybe there's something you can do with sound card DSP, involving the sound card-based software. I learned more about how my receiver works using the PSK31 waterfall displays as a visual aid than I ever learned reading the manual.

- She could be her own "Kettering Group" and back-calculate a LEO

satellite orbit from doppler data. Use the ISS 2M station (when it's operating) or any of the Mode J FM birds with discriminator output to measure the rx freq, or the cw beacon on RS12 or the Fuji birds.

- Something involving radio direction finding? build some df equipment (2m) and evaluate how it works in the real world against a known target (repeater or base/mobile in a known location).
- something involving weather satellite reception.

When I was in high school (jr or sr year), I did a project involving laser communications based on some articles that were in popular electronics for building a 'communicator' using IR laser diodes. (I wanted to do something "ham" related but couldn't for reasons I don't recall). It was really engineering (build and test performance) rather than science, but it was good enough to get me a state-level nth runner up in some science fair the Army co-sponsored. (At the national meeting, I ran into the kids who were doing graduate-level research while in high school, courtesy of really aggressive AP science programs and probably some parental contacts - scary!).

Good luck!

73
Steve

Stephan A. Greene sgreene@patriot.net ka1lm@amsat.org
Herndon, VA 1-703-421-7101 office 1-703-980-3475 cell

Date: Wed, 29 Aug 2001 15:51:17 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106030] RE: No WX band on FT817...a ? SERIOUS ? concern!
Message-ID: <GAECLOGOMILPLBGKKPEGMEBLCAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As I recall, I'll be carrying extra battery if I remember the consumption figure 400ma right and not worry about the WX band. Besides how often when you play radio does

anyone intentionally tune to WX band? Just my .02

Based on the forums at Huntsville, it seems to have quite a few features including some computer interface for various digital modes like PSK and so on. It is still more than I wish to pay, but it certainly does pack a lot of features into a small space

=====

Chuck Mabbott
AA8VS
42 19' 52" N 83 28' 32" W
Grid Square EN82gh
Home Page: <http://aa8vs.dhs.org:81/aa8vs>
FP-113 MI-QRP#1212 Firebirds #2117 SOC #445
Chuck

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
Behalf Of
Mike Yetsko
Sent: Wednesday, August 29, 2001 11:00 AM
To: Low Power Amateur Radio Discussion
Subject: Re: No WX band on FT817...a SERIOUS concern!

Date: Wed, 29 Aug 2001 15:54:08 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106031] RE: Cover of July 2001 QRP Quarterly
Message-ID: <GAECLOGOMILPLBGKKPEGIEBMCMAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

As I recall, I played golf for 8 months before I realized what the fairways were for. I would have better luck making QSOs that birdies, but would be rude to the other guys.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
Behalf Of
John L. Sielke
Sent: Wednesday, August 29, 2001 2:04 PM

To: Low Power Amateur Radio Discussion
Subject: RE: Cover of July 2001 QRP Quarterly

Golf, a GAME!? Good grief, man, next thing you'll be saying Ham
Radio is a HOBBY!

Get real!

John W2AGN (whose golf scores would look impressive...at a bowling
alley)

On 29-Aug-2001 William H. Launer wrote:

> I thought golf was a game - maybe the golfers should go to the
19th hole
> BEFORE the game!
>

Date: Wed, 29 Aug 2001 16:49:55 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <brad.mugleston@gwl.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106032] Re: Math Theory Help
Message-ID: <010e01c130cc\$32f89ca0\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>----- Original Message -----

From: Mugleston, Brad <brad.mugleston@gwl.com>

> When I got my Advanced ticket I took a class. The main reason I took
the
> class was I wanted to pass the exam and LEARN something (not just
learn how
> to pass the test). The instructor was great (forget his name) and he
could
> explain what he was talking about - I think I drove the others in the
class
> nuts as I wanted to understand and most of them just wanted to pass
the

> exam.
>
> Anyway at one point I had a basic understanding of what this meant
> "feedpoint Z of $41+j42$ ". Well at times, when I can't sleep, I get
the
> books out and re-learn it. But I'm getting older and don't have as
much
> trouble sleeping (can't seem to get enough) and I don't remember as
long.
> My math background is sufficient to do the math but I can't remember
what is
> going on.
>
> How about an Elmer thread - one that explains what is meant when you
see the
> $Z = XX + jYY$. How are XX and YY measured, what do they mean and it
appears
> that just by looking at $XX + jYY$ a lot of people on this list have an
> understanding of what the overall picture is. To me it's just an
imaginary
> number and I don't really remember what those are (they are kind of
like
> Dragons aren't they?). I want the theory or story behind it. What
can you
> do with it and what does it tell you.
>
> So how about it.
>
> de KI00T, Brad
>

OK, think about it this way...

The XX is the 'resistive' component, and the jYY is the 'reactive'
component.

What is resistive? Well, usually resistors. What is reactive? Well,
usually
capacitors and coils.

Are resistors just resistive? Well, usually yes, but in the real world
no.

It's just that in most circuits the 'reactive' part of a resistor is
just so small
compared to the resistance it doesn't matter.

Apply a battery to a resistor, what happens? Current flows, but it is
'resisted' by the component. If you apply AC voltage to a resistor,

what happens? The same thing. That's because a resistor has almost no 'reactive' component.

Now do the same thing with a capacitor. Apply a battery to a capacitor, what happens? Current flows. Until the capacitor 'charges up', and the current stops. You cannot 'instantaneously' change the voltage 'across' a capacitor, but you can change the current through it. (Coils are just the opposite, you cannot instantaneously change the current through a coil, but you can change the voltage across it.)

Now apply AC to that capacitor, what happens? Well, as the AC starts, current flows into the cap. As the AC rises, the current will continue to follow upwards also, but what happened to the voltage? You can't change it instantaneously! So it lags behind. When the AC gets to the peak of the waveform, where's the cap at? Lagging behind! Now the AC drops, passes the cap, and the cap starts dumping it's charge following the AC down, but always lagging.

In design, try to remember ELI the ICE man. In "ELI" the E (voltage) is before the "I" (current) for an "L" (inductor). Can you figure out what "ICE" stands for? And remember, if the voltage 'lags' on a capacitor, doesn't that mean the current leads the voltage?

Anyway....

When you have $XX+jYY$ think of it as a graph. XX is the 'horizontal' or 'real' axis. And the jYY is the 'vertical' or 'imaginary' axis. If you plot a value of $XX+jYY$, you have a point, right? Imagine if you draw a line from the point you just plotted to the origin at $0,0$. The 'angle' between that line and the 'horizontal' axis could be used to specify the position of that point, along with the length of the line, right?

So, when you have $XX+jYY$ you could also say ZZ at an angle, where ZZ is the actual 'impedance' of the whole thing. The term impedance is actually the correct term to use in all cases, as a resistor has a resistance PLUS it has a very small reactance, very close to 0 in most cases. For ideal components, where reactance is very small, the impedance and the resistance will essentially be the same. But as frequencies go up, that can change!

So, did I confuse this even more or did this help?

Mike

Date: Wed, 29 Aug 2001 13:54:15 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [106033] Re: HF Bands again bad aka The Sky is Falling, The Sky is Falling...
Message-ID: <F118CCtgx8VUKRacUtI0000142a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Day in, day out I read these reports...then fire up the rig and add a few more q's to the log, usually with 5 watts or less. Keep swinging the bat, it works.

73 John K7FD

>From: "Karl F. Larsen" <k5di@zianet.com>

>
> Please have a look at this web page:
>
> <http://www.sec.noaa.gov/ftplib/indices/events/events.txt>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 29 Aug 2001 17:00:08 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <Ronald_A_Pfeiffer@raytheon.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106034] Re: Antenna HELP
Message-ID: <1010729170009.RAA05453@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/22/01 9:35 AM, Ronald A Pfeiffer at Ronald_A_Pfeiffer@raytheon.com wrote:

>My environment is:

- > 1. No antenna in front yard.
- > 2. House is 35 feet high.
- > 3. backyard from house to property line is 22 feet.
- > 4. Property width is 40 feet.
- > 5. 35 feet from back of house is a wooded area with trees
- > 30 feet tall.
- > 6. No town restriction for backyard installations.

Can you hang a dipole from one end of your house to the opposite corner trees? If no one lives in back of you -- go ahead and use those trees!

A 40m dipole requires 70 (at most) feet. Or, you could scrimp a bit and let the last 5 feet of each end hang down from the insulators (need 60 feet).

Seems like you have enough room.

Here are other options to consider:

* Horizontal loop at 30-35 feet. (it would be 140 feet around) Support it at both ends of your house, and two trees behind you. Would work great for locals.

* Vertical antenna. You can get a commercial 1/4 40m antenna, perhaps one of the older trapped designs. Or you can put up 30-odd feet of telescoping Aluminum tubing. Biggest obstacle is putting down a sufficient number of radials. Buddy of mine lives in a CC&R neighborhood. He has an 80m vertical made out of a 65 foot run of coax up a tree. He's got a handful of radials, and he says he can work everything he hears. (Of course, he's a QRO op)

* Putting up a Rohn 25 or 45 tower bracketed to your house, and adding a 40m rotatable dipole. You could also put up a tribander as well.

* Moving. (just kidding)

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
-- Wilbur Wright, 1901

Date: Wed, 29 Aug 2001 17:04:26 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <jamesd1@flash.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [106035] Re: Antenna HELP
Message-ID: <1010729170425.RAA06296@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/23/01 8:38 PM, James R. Duffey at jamesd1@flash.net wrote:

>Use an inverted vee monted on top of your house. It should be pretty easy to
>put up a 5 or (even better) 10 ft pole at the peak of the house or on the
>chimney. Radio Shack has TV masts that will work.

I'd avoid the 10 foot painted steel masts that are swaged at one end. You
can find these at Radio Shack or Home Depot. They are expensive (\$8-10),
and they rust quickly. I'd recommend a 10 foot piece of rigid conduit
instead. These are heavy, galvanized and won't rust.

>For 40 M only, use a 40 M dipole. Zig zag the ends if you don't have the
>space to put them on the roof.

Why put it so close to the house? You want to get the antenna out in the
open. I'd use those trees in the back.

>If you want multiband use, use a 44 ft center fed dipole. Feed it with 450
>Ohm ladderline. You will need to mount standoffs on the pole. Electric
>fence standoffs work well. Use a antenna tuner. This will work 40 - 10
>pretty good. You can laugh at the other net members.

Anything 44-100 feet should work. Whatever you have room for.

>A 10 foot pole plus the height of the roof, 35 feet, will put the antenna up
>high enough to do some good. Just getting it out of the attic will help a
>lot.

For strictly local work, 35 feet is high enough for 40m. Higher would be
better, especially for lower angle signals (DX).

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 29 Aug 2001 21:19:48 +0000
From: "Leon Heller" <leon_heller@hotmail.com>

To: brad.mugleston@gwl.com, qrp-1@Lehigh.EDU
Subject: [106036] Re: Math Theory Help
Message-ID: <F169MzAUor03u9PH3Ih00019720@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>How about an Elmer thread - one that explains what is meant when you see
>the
> $Z = XX + jYY$. How are XX and YY measured, what do they mean

If you see $Z = XX + jYY$ it means you have an impedance consisting of a pure resistance XX in series with an inductive reactance of YY . YY is a pure inductor.

$Z = XX - jYY$ is similar, with a capacitive reactance in series.

j is the sq. root of -1 , of course. It's needed because we are really dealing with vectors, and multiplying by j rotates a vector through 90 degrees.

Both XX and YY are measured in ohms. It can be a bit tricky to measure XX and YY with real components. The easiest way is with a network analyser (lots of \$\$\$). Antenna analysers do it, as well. You can add known L or C to get a resonant circuit, measure the resonant frequency and calculate the value of YY . By measuring the bandwidth you can also estimate the resistive component, XX .

Once you know the values, you can add L or C to get a purely resistive circuit, which is required for a resonant antenna system. L and C reactances are equal at resonance.

I'm a bit rusty on this stuff; I hope I've got it right. Someone will tell me if I haven't. 8-)

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Wed, 29 Aug 2001 15:23:08 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Mugleston, Brad" <brad.mugleston@gwl.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [106037] Re: Math Theory Help
Message-ID: <Pine.LNX.4.33.0108291515450.1372-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad, Just think "Simple". $41 + j42$ means just that the impedance seen at the input to your feed line is a 41 ohm resistor in series with a 42 ohm inductor. Had the number been $41 - j42$ then it would have been a 42 ohm capacitor.

Now the 42 ohms means this is the impedance of the capacitor at the frequency it was measured at. If you want to know the value of the capacitor, you use $c = 1/\text{frequency} \times 2 \text{ pie} \times 42$.

The 41 is just a resistor of 41 ohms.

You measure this kind of stuff with a MFJ Antenna Analyser.

On Wed, 29 Aug 2001, Mugleston, Brad wrote:

> When I got my Advanced ticket I took a class. The main reason I took the
> class was I wanted to pass the exam and LEARN something (not just learn how
> to pass the test). The instructor was great (forget his name) and he could
> explain what he was talking about - I think I drove the others in the class
> nuts as I wanted to understand and most of them just wanted to pass the
> exam.
>
> Anyway at one point I had a basic understanding of what this meant
> "feedpoint Z of $41 + j42$ ". Well at times, when I can't sleep, I get the
> books out and re-learn it. But I'm getting older and don't have as much
> trouble sleeping (can't seem to get enough) and I don't remember as long.
> My math background is sufficient to do the math but I can't remember what is
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> $Z = XX + jYY$. How are XX and YY measured, what do they mean and it appears
> that just by looking at $XX + jYY$ a lot of people on this list have an
> understanding of what the overall picture is. To me it's just an imaginary
> number and I don't really remember what those are (they are kind of like
> Dragons aren't they?). I want the theory or story behind it. What can you
> do with it and what does it tell you.
>

> So how about it.
>
> de KI00T, Brad
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 29 Aug 2001 15:37:00 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: Mike Yetsko <myetsko@insydesw.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [106038] RE: Math Theory Help
Message-ID: <F9645092A142D3118CBD00805F15292E15CAF5AC@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Wow, thanks for the quick course.

OK, some more questions

Does the length of the hypotenuse equal something about antennas (I seem to remember doing something with the square root of the sum of the squares of the two sides in my class - I think some guy named Pythagorean thought that one up)?

Based on your last paragraph, the reactive component is dependent on Frequency. from what I know about antennas (and what someone else sent me - thanks Jerry) this number would get more negative the lower the frequency for the same antenna - is that correct?

So what would the ideal Z be? Would it be $0 + j0$? or is there an amount of resistance that you want? Is there a happy compromise or relationship between the two parts that you should look for? Can you tell I got my brain working today at work and now ran out of things I want to do?

Thanks, I'll check in later.

Brad

> -----Original Message-----
> From: Mike Yetsko [SMTP:myetsko@insydesw.com]

> Sent: Wednesday, August 29, 2001 2:50 PM
> To: brad.mugleston@gwl.com; Low Power Amateur Radio Discussion
> Subject: Re: Math Theory Help
>
> OK, think about it this way...
>
> The XX is the 'resistive' component, and the jYY is the 'reactive'
> component.
>
> What is resistive? Well, usually resistors. What is reactive? Well,
> usually capacitors and coils.
>
> Are resistors just resistive? Well, usually yes, but in the real world
> no. It's just that in most circuits the 'reactive' part of a resistor is
> just so small compared to the resistance it doesn't matter.
>
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> 'resisted' by the component. If you apply AC voltage to a resistor,
> what happens? The same thing. That's because a resistor has almost no
> 'reactive' component.
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> what happens? Current flows. Until the capacitor 'charges up', and the
> current stops. You cannot 'instantaneously' change the voltage 'across' a
> capacitor, but you can change the current through it. (Coils are just the
> opposite, you cannot instantaneously change the current through a coil,
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>
> Now apply AC to that capacitor, what happens? Well, as the AC starts,
> current flows into the cap. As the AC rises, the current will continue to
> follow upwards also, but what happened to the voltage? You can't change
> it instantaneously! So it lags behind. When the AC gets to the peak of
> the waveform, where's the cap at? Lagging behind! Now the AC drops,
> passes the cap, and the cap starts dumping it's charge following the AC
> down, but always lagging.
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> In design, try to remember ELI the ICE man. In "ELI" the E (voltage) is
> before the "I" (current) for an "L" (inductor). Can you figure out what
> "ICE" stands for? And remember, if the voltage 'lags' on a capacitor,
> doesn't that mean the current leads the voltage?
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> Anyway....
>
> When you have $XX+jYY$ think of it as a graph. XX is the 'horizontal' or
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> plot a value of $XX+jYY$, you have a point, right? Imagine if you draw a
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> between that line and the 'horizontal' axis could be used to specify the

> position of that point, along with the length of the line, right?
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> it has a very small reactance, very close to 0 in most cases. For ideal
> components, where reactance is very small, the impedance and the
> resistance will essentially be the same. But as frequencies go up, that
> can change!
>
> So, did I confuse this even more or did this help?
>
> Mike
>
>

Date: Wed, 29 Aug 2001 15:56:21 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [106039] RE: Math Theory Help
Message-ID: <F9645092A142D3118CBD00805F15292E15CAF5B1@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

Karl,

Thanks, that adds one more part to the puzzle. Don't have the MFJ but I do have an RF-1 which does the same thing.

One question (I know I should look it up and yes I do know where to look it up but it's at home)

How do I measure the value of the inductor in $+j42$?

Brad

> -----Original Message-----
> From: Karl F. Larsen [SMTP:k5di@zianet.com]
> Sent: Wednesday, August 29, 2001 3:23 PM
> To: Mugleston, Brad
> Cc: Low Power Amateur Radio Discussion
> Subject: Re: Math Theory Help
>
>
> Brad, Just think "Simple". $41 +j42$ means just that the impedance seen at

> the input to your feed line is a 41 ohm resistor in series with a 42 ohm
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> frequency it was measured at. If you want to know the value of the
> capacitor, you use $c = 1/\text{frequency} \times 2 \text{ pie} \times 42$.
>
> The 41 is just a resistor of 41 ohms.
>
> You measure this kind of stuff with a MFJ Antenna Analyser.
>

Date: Wed, 29 Aug 2001 15:04:44 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [106040] Re: Cover of July 2001 QRP Quarterly
Message-ID: <003401c130d6\$9e79c6c0\$79142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

. I would have better luck making
> QSOs that birdies, but would be rude to the other guys.

What you folks don't understand about the golf courses in Cochise County
is that we are almost totally alone out there. The rattlesnakes and
roadrunners outnumber us by 20 to 1. I have been seriously considering
rigging up for pedestrian mobile so I can amuse myself while the rest of
my foursome is thrashing around out in the mesquite, looking for their
lost golf balls.

Bob Baxter AA7EQ
Bisbee, Az.

Date: Wed, 29 Aug 2001 16:26:56 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Qrp-l@lehigh.edu
Subject: [106041] Fox: ET, Notice for the Last One!
Message-ID: <3B8D17D0.19018.147D905@localhost>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

{ SEQ CHAPTER \h \r 1}[Note for "one-pelters" and "cubs" at the end]

I'll be one of the two foxes tomorrow night in the last week of the Summer 2001 season-- last chance to get a pelt or two!
At least till October [g].

I'll be calling around 14.061, and Jerry (N9AW) will be calling around 14.055-- UNLESS we decide to swap it around.

Given any kind of condx at all, things will be busy for the first hour and I will operate split-- up to 2KHz or so ABOVE my transmit frequency. Please don't transmit on "my" frequency because I simply won't hear you. OTOH if you have only RIT or the limits of audibility, you can call me up .5-1KHz and I will hear you eventually.

You should get an idea of where I am listening from who I am working at any given time, but I will be moving and the trick will be to try to figure out which way I'm moving, and by how much. There's a good chance that a LOT of you will figure it out pretty quick, which will result in my changing the pattern, so stay loose!

Calling more than once is probably going to be a necessity, but please listen in between-- my exchange will be sent quickly and is easy to miss::

callsign rst CO ET 5W callsign BK

If you think it will help in identifying my signal, please view the new picture on the fox info page at <http://www.cqc.org/sfox/foxes.htm> . There's a link near the bottom of the page.

The most important thing to note is that persistence and patience pay off-- even if you can't hear me for the first hour and a half my signal could pop up briefly toward the end. So don't give up if you don't get me right away!

Finally I want to make a special offer to any cub hunt hounds who haven't worked a Thursday fox, and "one pelters," the many of you who have worked a single fox so far this summer. For one night only, you can have a pelt absolutely free. I'll be purposely looking for "slower," "shyer," and "weaker" hounds toward the end-- do NOT let the first hour intimidate you. Your pelt is sitting here ready to be handed over.

Also don't worry about the speed-- later on I'll slow down as much as I need to.

The supply of pelts has been inventoried and there are plenty to go around--

good luck, and may the Fox be with you....

73

Marshall Emm

N1FN/VK5FN

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End of QRP-L Digest 2296
